OLYMPUS

CAMEDIA

DIGITAL CAMERA
C-300 ZOOM
D-550 ZOOM

REFERENCE MANUAL

<Click Here>

CAMERA OPERATION MANUAL

Explanation of digital camera functions and operating instructions.

DIGITAL CAMERA - PC CONNECTION
OPERATION MANUAL

Explanation of how to download images between your digital camera and PC.
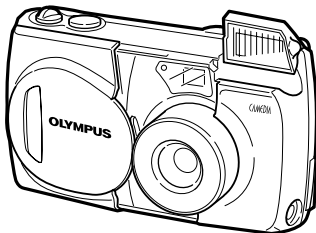
OLYMPUS

CAMEDIA

DIGITAL CAMERA
C-300 ZOOM
D-550 ZOOM

REFERENCE MANUAL

- Thank you for purchasing an Olympus digital camera. Before you start to use your new camera, please read these instructions carefully to enjoy optimum performance and a longer service life. Keep this manual in a safe place for future reference.
- We recommend that you take test shots to get accustomed to your camera before taking important photographs.

For customers in Europe

"CE" mark indicates that this product complies with the European requirements for safety, health, environment and customer protection. "CE" mark cameras are intended for sales in Europe.

For customers in North and South America

For customers in USA

Declaration of Conformity
Model Number   : C-300 ZOOM/D-550 ZOOM
Trade Name   : OLYMPUS
Responsible Party : Olympus America Inc.
Address   : 2 Corporate Center Drive, Melville, New York
                   11747-3157 U.S.A.
Telephone Number : 631-844-5000

Tested To Comply With FCC Standards
FOR HOME OR OFFICE USE

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference.
(2) This device must accept any interference received, including interference that may cause undesired operation.

For customers in Canada

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Trademarks

- IBM is a registered trademark of International Business Machines Corporation.
- Microsoft and Windows are registered trademarks of Microsoft Corporation.
- Macintosh is a trademark of Apple Computer Inc.
- All other company and product names are registered trademarks and/or trademarks of their respective owners.
- The standards for camera file systems referred to in this manual are the "Design Rule for Camera File System/DCF" standards stipulated by the Japan Electronics and Information Technology Industries Association (JEITA).

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....

Indications used in this manual

⚠ Caution	Important information on factors which may lead to a malfunction or operational problems. Also warns of operations that should be absolutely avoided.
Note	Useful information and hints that will help you get the most out of your camera.
☞	Reference pages describing details or associated information.

Names of parts

Shutter button

Self-timer lamp

Zoom lever

Flash
Pops up when you open the lens barrier.

Lens barrier
Turns the camera on and off in the shooting mode.

Lens
Extends automatically when you open the lens barrier.

VIDEO OUT jack

Card cover

DC-IN jack

USB connector

Connector cover

Arrow pad

🌷/∞ **AF button**

Shooting mode button

Flash mode button

🕐 **Self-timer button**

Diopter adjustment dial

Arrow pad

Viewfinder

Monitor

(OK/Menu) button

(Monitor) button
Turns the camera on and off in the playback mode. Turns the monitor on and off in the shooting mode.

Battery compartment lock

Tripod socket

Battery compartment cover

Viewfinder

Orange lamp

Green lamp

AF target mark

Monitor indications

Shooting mode

Still picture　　　　　　　**Movie**
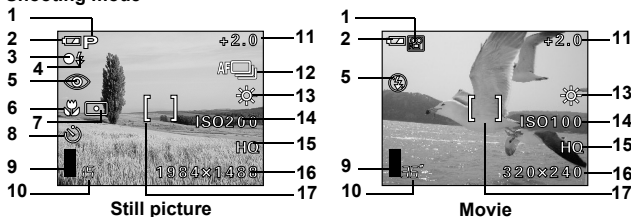
		Indication	Ref. Page
1	Shooting mode	P , ▣ , ⌂ , ▲ , ☒ , ▦ , ▦	p.37
2	Battery check	▣ , ▱	p.12
3	Green lamp	●	p.41
4	Flash stand-by	⚡ (Lights up)	p.41
	Camera movement warning/ Flash charge	⚡ (Blinks)	
5	Flash mode	◉ , ⚡ , ⚡̸	p.54
6	AF	♣ , ∞	p.45,57
7	Spot metering	▣	p.61
8	Self-timer	⟳	p.59
9	Memory gauge	�||||	p.12
10	Number of storable still pictures/Seconds remaining	16/16"	p.41,49
11	Exposure compensation	-2.0, -1.5, -1.0, -0.5, +0.5, +1.0, +1.5, +2.0	p.75
12	Sequential shooting	▦ , AF▦	p.62
13	White balance	☀ , ☁ , ☀ , ☵	p.77
14	ISO	ISO100, ISO200, ISO400	p.73
15	Record mode	3:2, SHQ, HQ, SQ, TIFF	p.68
16	Number of pixels	1984×1488, 1984×1312, 1600×1200, 1280×960, 1024×768, 640×480	p.68
17	AF target mark	[ ]	p.41

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Playback mode

Still picture

Movie

		Indication	Ref. Page
1	Print reservation, Number of prints	凸 × 2	p.117
2	Battery check	⚊⚊ , ⚊	p.12
3	Protect	🔒	p.92
4	Record mode	3:2, SHQ, HQ, SQ, TIFF	p.68
5	Number of pixels	1984×1488, 1984×1312, 1600×1200, 1280×960, 1024×768, 640×480	p.68
6	Exposure compensation	-2.0, -1.5, -1.0, -0.5, +0.5, +1.0, +1.5, +2.0	p.75
7	White balance	WB AUTO, ☼ , ☁ , ☀ , 🗲	p.77
8	ISO	ISO100, ISO200, ISO400	p.73
9	Date and time	'02.06.10 12:30	p.24
10	File number, Frame number/Playing time	100-0016, 0"/20"	–
11	Movie mode	🎥	p.90

Note

You can view shooting information details of the recorded picture in the playback mode. "Displaying shooting information" (☞ p.112)

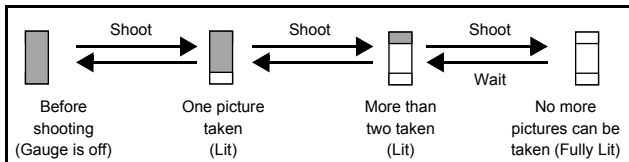
Memory gauge

The memory gauge lights up when you take a picture. While the gauge is lit, the camera is storing the picture on the card. The memory gauge indication changes as shown below depending on the shooting status. When the memory gauge is full, wait a few moments before taking the next shot.
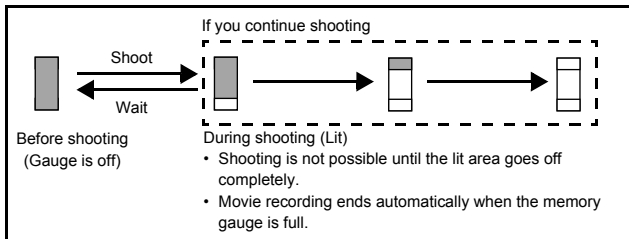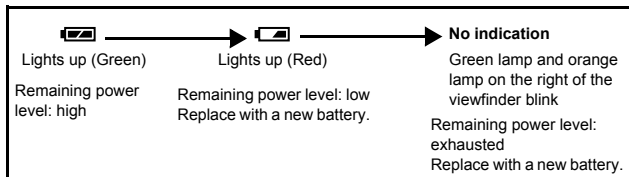
When taking still pictures

| Before shooting (Gauge is off) | Shoot → ← | One picture taken (Lit) | Shoot → ← | More than two taken (Lit) | Shoot → ← Wait | No more pictures can be taken (Fully Lit) |

When recording movies

If you continue shooting

Before shooting (Gauge is off)

Shoot → ← Wait

During shooting (Lit)
• Shooting is not possible until the lit area goes off completely.
• Movie recording ends automatically when the memory gauge is full.

Battery check

If the remaining battery power is low, the battery check indication on the monitor changes as follows while the camera is turned on.

Lights up (Green)

Remaining power level: high

Lights up (Red)

Remaining power level: low
Replace with a new battery.

No indication

Green lamp and orange lamp on the right of the viewfinder blink

Remaining power level: exhausted
Replace with a new battery.

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Attaching the strap

1 **Thread the short end of the strap through the strap eyelet.**

2 **Thread the long end of the strap through the loop that has already gone through the eyelet.**

Strap eyelet

3 **Pull the strap tight, making sure that it is securely fastened and does not come loose.**
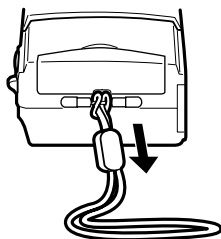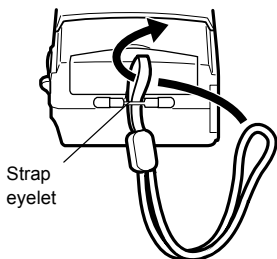
⚠ Caution
- Be careful with the strap when you carry the camera, as it can easily catch on stray objects, causing serious damage.
- Attach the strap correctly as shown above so that the camera does not fall off. If the strap is attached incorrectly and the camera falls off, Olympus is not responsible for any damages.

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Loading the batteries

This camera uses two CR-V3 lithium battery packs or four AA (R6) NiMH batteries, NiCd batteries, alkaline batteries or lithium batteries.

1 **Make sure that:**

The lens barrier is closed.

The monitor is off.

The lamp on the right of the viewfinder is off.
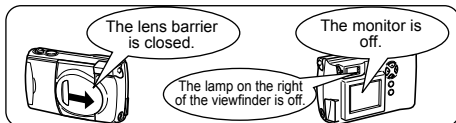
2 **Slide the battery compartment lock from ⊖ to ⟨ .**

3 **Slide the battery compartment cover in the direction of Ⓐ (the direction indicated by the ◀ mark on the cover), and lift it up in the direction of Ⓑ .**

Ⓑ

Ⓐ
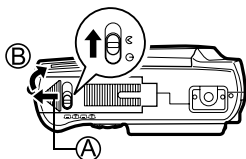
4 **Insert the batteries, making sure that they are correctly oriented as shown in the illustration.**

When using AA (R6) batteries

When using CR-V3 lithium battery packs

Battery insertion direction mark

⊖ ⊕ ⊖ ⊕
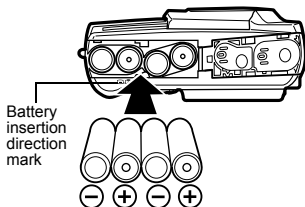
There is a mark showing the correct way to insert the AA batteries on the bottom of the camera.
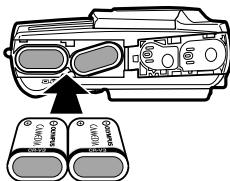
When using lithium battery packs, insert them so that the "CAMEDIA" label on each battery is facing the lens side of the camera.

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5 **Close the battery compartment cover in the direction of Ⓒ. While pressing the ◀ mark, slide the cover in the direction of Ⓓ.**

If the battery compartment cover seems hard to close, do not force it. With the battery compartment cover shut, press the ◀ mark firmly and push in the direction shown in the illustration.
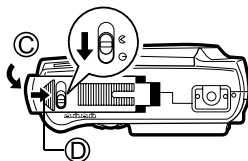
1

Getting started

6 **Slide the battery compartment lock from ◁ to ⊖.**

Note

If the camera is left for about 1 hour with the batteries removed, the date and time settings will revert to the factory default settings.

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Selecting batteries or the optional AC adapter

In addition to the batteries provided, this camera can use the following types of battery or AC adapter. You are recommended to choose the power source best suited to the situation.

CR-V3 lithium battery packs (Not rechargeable)

Since the CR-V3 lithium battery pack has a long service life, it is convenient when traveling.
Do not peel off the label on a CR-V3 lithium battery pack.

NiMH batteries (Rechargeable)

Olympus NiMH batteries are rechargeable and economical. Their low-temperature resistance makes them a good choice for cold areas.

AA (R6) alkaline batteries

When you need batteries in a hurry, you can use AA (R6) alkaline batteries, which are easy to get anywhere. However, the number of pictures that you can store in the camera may vary considerably with AA batteries, depending on the battery manufacturer, camera shooting conditions, etc. Turn off the monitor whenever possible to save power.

AC adapter

The optional Olympus AC adapter allows you to power your camera from a household electrical outlet. Use an AC adapter designed to operate on the AC voltage in the area the camera is being used. Consult your nearest Olympus dealer or service center for details.

The power will be drawn from the AC adapter even if there are batteries in the camera. The batteries in the camera will not be recharged.

⚠ Caution
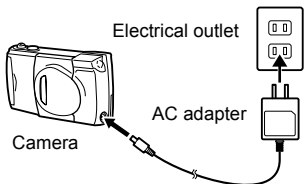
- Manganese (zinc-carbon) batteries cannot be used.
- If the batteries become exhausted when the camera is connected to a PC for a long time while powered by the batteries and you are downloading images from the camera, the image data may be lost or damaged. You are therefore recommended to use the optional AC adapter. However, do not connect or disconnect the AC adapter while the camera is connected to the PC.
- Do not remove or load the batteries or connect or disconnect the AC adapter while the camera is turned on. This may affect the camera's internal settings or functions.
- The life of battery packs may vary according to the type of battery, manufacturer, camera shooting conditions, etc.
- Power is consumed continuously during the conditions below. This could reduce the number of pictures that can be taken.
    - When the monitor is turned on.
    - When the monitor is in the playback mode for an extended period of time.
    - Repeated zooming of lens.
    - Repeated auto-focus by depressing the shutter button halfway.
    - When the camera is connected to a PC.

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Getting started

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Inserting the card (SmartMedia)

This reference manual uses the term "card" when referring to SmartMedia.
The pictures you have taken are stored on the card.

Card basics

The card corresponds to normal camera film for recording the pictures you
have taken. Pictures recorded and stored on the card can easily be erased,
overwritten, and/or edited on a PC.
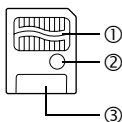
① Contact area
Comes into contact with the camera's signal read contacts.

② Write-protect area
Attach the provided write-protect seal when you want to protect
your data from accidental erasure or overwriting.

③ Index area
Use the provided index label to indicate the card's contents.

The following cards can be used:
- Provided standard card
- Optional Olympus CAMEDIA-brand cards (4 MB - 128 MB)
- Commercially available 3 V (3.3 V) cards (4 MB - 128 MB)

⚠ Caution

- 2 MB cards cannot be used.
- Commercially available 5 V cards cannot be used.
- This camera may not recognize a non-Olympus card (such as a 3 V
  (3.3 V)), or a card that was formatted on another device (such as a
  PC, etc.). Before use, be sure to format the card on this camera.
  "Formatting (Card setup)" (☞ p.107)

Handling precautions
- Operating temperature: 0°C to 55°C (32°F to 131°F); Storing temperature:
  -20°C to 65°C (-4°F to 149°F); Humidity: up to 95%
- Put the card into its anti-electrostatic case for storage or transportation.
- Do not bend, drop or apply any physical shock to the card.
- Do not touch the contact area of the card.
- Do not reuse the write-protect seal.
- Read the provided SmartMedia instruction manual carefully.

----

1 **Make sure that:**

The lens barrier is closed.

The monitor is off.

The lamp on the right of the viewfinder is off.
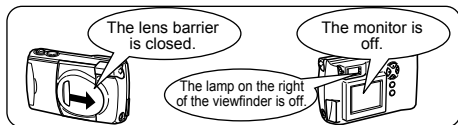
2 **Open the card cover.**
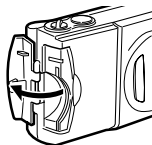
3 **Insert the card as far as it will go in the direction shown in the illustration.**

There is an arrow inside the card cover, indicating the direction in which the card should be inserted.
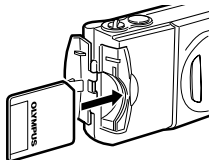
4 **Close the card cover securely until it clicks.**

Press the card cover from the front of the camera to close. The card cover cannot be closed by pressing from the side.
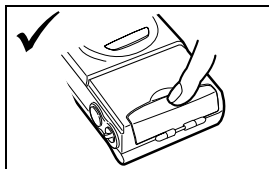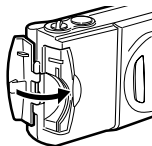
Correct

Incorrect

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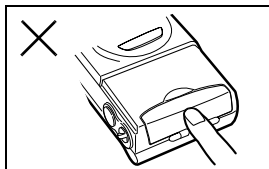
Removing the card

Hold the card with your fingertips and pull it out
in the direction of the arrow.

1
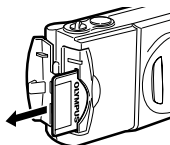
Getting started

⚠
Caution

Never open the card cover, or remove the card or the batteries while
the camera is turned on. Doing so could destroy all data on the card.
Destroyed data cannot be restored.

When shooting pictures

Power on: Open the lens barrier fully.

> The camera turns on in the shooting mode. The lens extends and the flash pops up.
> If the lens does not extend when the lens barrier is opened, there is a possibility that the cover is stuck in the first click position. Open the lens barrier until it clicks.
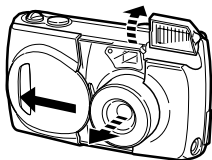
Power off: Close the lens barrier slightly until it almost touches the lens barrel.

> The lens barrier stops just before it touches the lens and the lens retracts. Wait until the lens is fully retracted before closing the lens barrier completely.
> The camera turns off. (The monitor also turns off.)
> Press the flash down until it locks into place to close it.
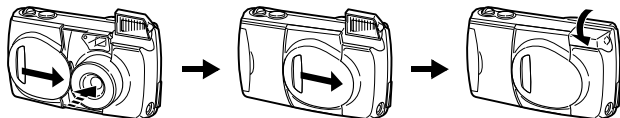
Note | To save battery power, the camera automatically enters the sleep mode after about 3 minutes of non-operation. If the monitor is on, it will automatically turn off. The camera activates again as soon as you lightly press the shutter button or zoom lever. Whenever possible, turn the camera off when you do not intend to take any pictures for a while.

⚠ Caution | Do not push the lens barrier forcefully against the lens as this may damage the lens or cause it to malfunction.

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When playing back pictures

Power on: Press the ⊙ (monitor) button with the lens barrier closed.

The camera turns on in the playback mode. The monitor turns on and the last picture taken is displayed.
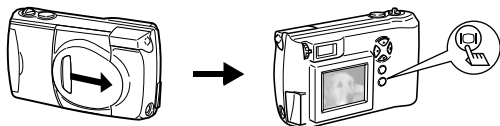
Power off: Press the ⊙ (monitor) button.

The monitor and the camera turn off.
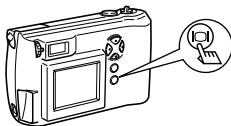
| Note | When the camera turns on, the monitor may light up for an instant and a picture appear after a short time. This is not a malfunction. |

| Caution | Never open the card cover, remove the card or the batteries, or connect or disconnect the AC adapter while the camera is turned on. Doing so could destroy all data on the card. Destroyed data cannot be restored. When changing the card, be sure to turn the camera off before opening the card cover. |

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Getting started

What to do if the CARD SETUP screen is displayed

When the power is turned on, the camera checks the card automatically. If the card in the camera has to be formatted, the following screen appears.

```
      CARD SETUP
     ( POWER OFF )

     ( [T] FORMAT )

 SELECT◆ ⊟      GO◆ OK
```
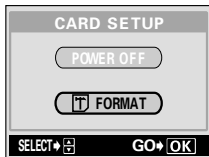
⚠️ Caution

Note that all existing data stored on the card is erased when the card is formatted.

To turn the camera off

```
      CARD SETUP
    ( POWER OFF )

    ( [T] FORMAT )

 SELECT◆⊟      GO◆OK
```
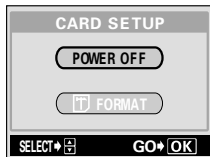
Press ◁△ ◁▽ on the arrow pad to select POWER OFF, then press the ▤ₒₖ (OK/Menu) button.

The camera turns off.

To format the card

```
     [T] FORMAT
  ⚠ CAUTION ERASING ALL
      (   YES   )
      (   NO    )
 SELECT◆⊟      GO◆OK
```
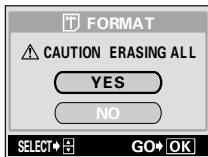
Press ◁△ ◁▽ on the arrow pad to select [T] FORMAT and press the ▤ₒₖ (OK/Menu) button.
Then select YES and press ▤ₒₖ again to start formatting.

Formatting starts. If the card was successfully formatted, the camera is ready to take pictures.

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Setting the date and time

1 **Open the lens barrier fully.**
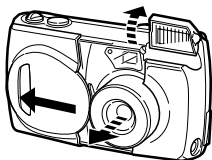
2 **Press ▣.**
The shooting mode top menu is displayed.
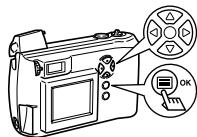
3 **Press ⓞ on the arrow pad to select MODE MENU.**

ESP/□

◄:· (MODE MENU)

±
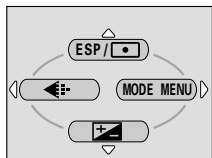
Top menu

4 **Press ⬚ ⬚ to select the SETUP tab, then press ⓞ.**

ALL RESET ▷ ON

■)) ▷ ON

REC VIEW ▷ ON

SETUP tab ——— FILE NAME ▷ RESET

PIXEL MAPPING
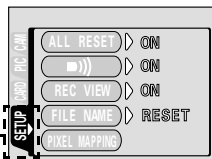
5 **Press ⬚ ⬚ to select ⊕, then press ⓞ.**
The green frame moves to the selected item.

'02.01.01
00:00

----
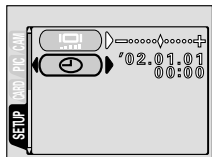
6 **Press ◁△ ◁▽ to select one of the following date formats:**
Y-M-D (Year/Month/Day)
M-D-Y (Month/Day/Year)
D-M-Y (Day/Month/Year)
Then press ◁●.

The cursor moves to the next setting field.

The following steps show the procedure used when the date and time settings are set to Y-M-D.
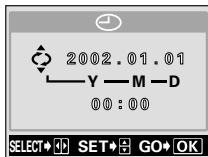
7 **Press ◁△ ◁▽ to set the first field, then press ◁● to move to the next field.**

Press ◁◁ to move back to the previous setting field.

The first two digits of the "Y" are fixed.

8 **Repeat the above steps until the date and time are completely set.**
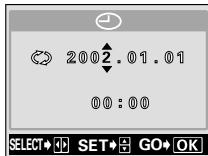
9 **Press ⑤.**
For a more accurate setting, press ⑤ when the clock hits 00 seconds. The clock starts when you press the button.

10 **Close the lens barrier.**
The camera turns off.

⚠ **Caution**
If the camera is left for about 1 hour with the batteries removed, or if the battery power is exhausted, the date and time settings may be canceled or become incorrect. Before taking important pictures, check that the date and time settings are correct.

Note
The date and time can also be set by the same procedure in the playback mode.

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Getting started

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Adjusting the viewfinder

To make the camera easier to use, adjust the viewfinder to match the eyesight (visual acuity) of the person who will be using the camera.

1 **Open the lens barrier fully.**
The flash pops up and the lens extends.
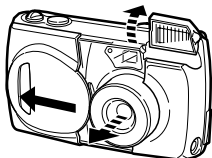
2 **While looking through the viewfinder, slowly turn the diopter adjustment dial.**
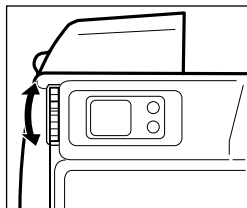
Diopter adjustment dial

3 **Stop turning the dial when the AF target mark is clearly visible.**
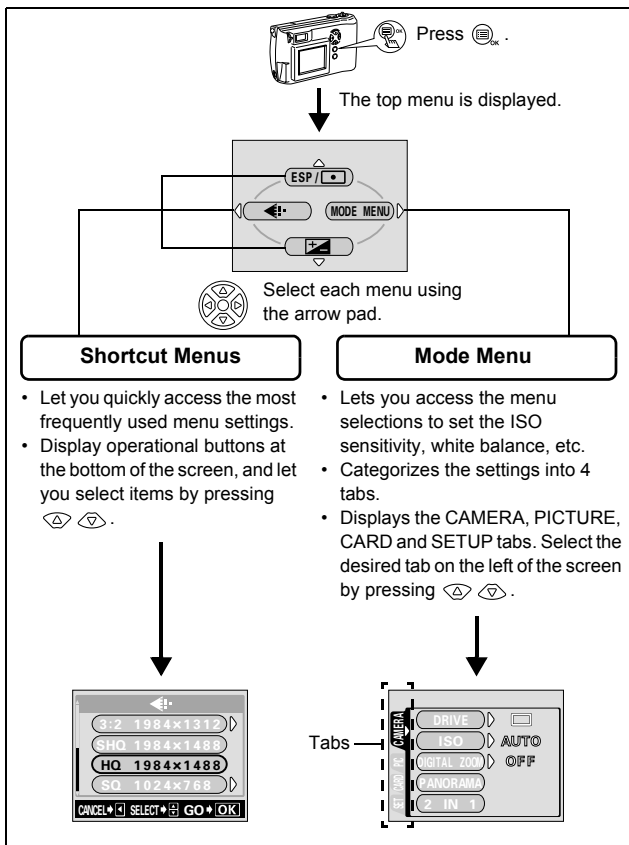
You are ready to take pictures. "Taking still pictures" (☞ p.40)
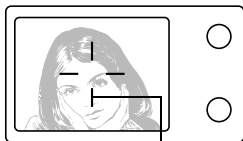
Viewfinder

AF target mark

Using the menus and tabs

When you turn on the camera and press ▤, the top menu is displayed on the monitor. The functions of this camera are set from the menus. This chapter explains how the menus work, using the shooting mode screens.

Press ▤.

The top menu is displayed.

ESP / ●

◀ ⁜·   MODE MENU ▷

⁜

Select each menu using the arrow pad.

Shortcut Menus

- Let you quickly access the most frequently used menu settings.
- Display operational buttons at the bottom of the screen, and let you select items by pressing ◁ ◀.

Mode Menu

- Lets you access the menu selections to set the ISO sensitivity, white balance, etc.
- Categorizes the settings into 4 tabs.
- Displays the CAMERA, PICTURE, CARD and SETUP tabs. Select the desired tab on the left of the screen by pressing ◁ ◀.

⁜·

3:2   1984×1312 ▷
SHQ   1984×1488 ▷
HQ   1984×1488
SQ   1024×768 ▷

CANCEL◆◀ SELECT◆⬚ GO◆OK

Tabs —

DRIVE ▷   ▭
ISO   AUTO
DIGITAL ZOOM ▷   OFF
PANORAMA
2 IN 1

27

How to use the menus

1

Getting started

1 Press ◉ᴏₖ to display the top menu, then press ◉ .

Top menu

△
(ESP/•)
◁(◀ᵢ (MODE MENU)◺
╱
↳
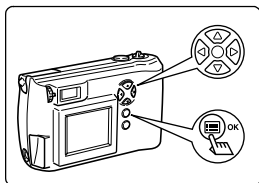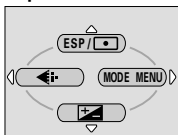
2 Press △ ▽ to select a tab, then press ◉ to display the menu.

CAMERA tab

CAMERA	
DRIVE	▷ ▢
ISO	▷ AUTO
DIGITAL ZOOM	▷ OFF
PANORAMA	
2 IN 1	

◉

◁
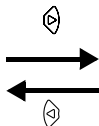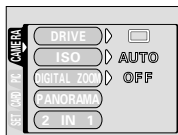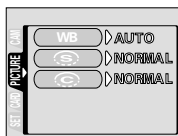
To return to select a tab, press ◁ .

PICTURE tab

PICTURE	
WB	▷ AUTO
⊜	▷ NORMAL
⊜	▷ NORMAL

CARD tab

CARD	
CARD SETUP	

SETUP tab

SETUP	
ALL RESET	▷ ON
■)))	▷ ON
REC VIEW	▷ ON
FILE NAME	▷ RESET
PIXEL MAPPING	

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----
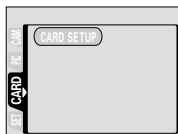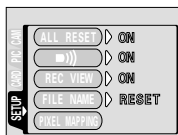
3 Press ⊘ ⊘ to select the desired item, then press ⊘ to display the available setting selections.

DRIVE
ISO ▷ AUTO
DIGITAL ZOO ▷ OFF
PANORAMA
2 IN 1

⊘ ↓↑ ⊘

DRIVE
ISO ▷ AUTO
DIGITAL ZOO ▷ OFF
PANORAMA
2 IN 1

The green frame moves to the selected item.

⊘

⊘ or ⊜ₒₖ
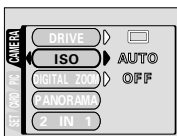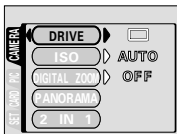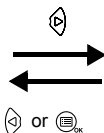
To return to select an item, press ⊘ or ⊜ₒₖ .

4 Press ⊘ ⊘ to select the setting.
To complete setting, press ⊜ₒₖ .

DRIVE
ISO (AUTO)
DIGITAL ZOO 100
PANORAMA 200
2 IN 1 400

⊘ ↓ ⊘

DRIVE
ISO AUTO
DIGITAL ZOO (100)
PANORAMA 200
2 IN 1 400
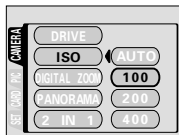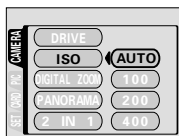
Press ⊜ₒₖ to complete setting, and press again to close the menu.

Note

- Not all items can be selected depending on the status of the camera and the settings performed. For example, when the movie mode is selected, you cannot select SEPIA, BLACK&WHITE or ⯑ in the EDIT tab category.
- By pressing the shutter button to take a picture while the menu is displayed, you can take pictures with the currently selected settings.
- If you want to save the settings after the camera is turned off, set ALL RESET to OFF.

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Shortcut menus

Shooting mode

1

Getting started

When the still picture shooting mode is selected
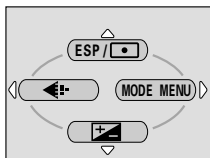
When the movie recording mode is selected

ESP/ •

| Selects the area of the image that will be used to determine exposure or image brightness from the two available settings: ESP or • (spot metering). | p.61 |

◀:-

| Selects the resolution and the quality of the image. Still picture : 3:2, SHQ, HQ, SQ, TIFF Movie : HQ, SQ | p.68 |

±

| Adjusts the brightness of the image (Exposure compensation). | p.75 |

Playback mode

When a still picture is
played back

When a movie is
played back

⬛▶

Displays all recorded pictures in slideshow fashion.	p.87

MOVIE PLAY

MOVIE PLAYBACK	Plays back a movie.	p.90
INDEX	Creates an index picture of a movie in 9 frames.	p.102
EDIT	Edits a movie.	p.104

INFO

Displays all the shooting information on the monitor.	p.112

🗑 **ERASE**

Erases a selected picture.	p.94

Mode menus

Mode menu functions are categorized into 4 tabs. Use ⊘ ⊘ to select a tab and display the respective functions.

Shooting mode

CAMERA tab ────
PICTURE tab ────
CARD tab ────
SETUP tab ────

CAMERA tab		
DRIVE	Selects the shooting mode from ▭ (Normal shooting), ▱ (Sequential shooting), AF▱ (AF Sequential shooting).	p.62
ISO	Selects the ISO sensitivity from AUTO, 100, 200, 400.	p.73
DIGITAL ZOOM	Extends the maximum optical zoom, making possible up to approximately 10x zoom shooting with the digital zoom function.	p.52
PANORAMA	Allows panorama pictures to be taken with Olympus CAMEDIA-brand SmartMedia cards.	p.64
2 IN 1	Lets you combine two still pictures taken in succession into one picture.	p.66

PICTURE tab		
WB	Sets the appropriate white balance according to the light source.	p.77
Ⓢ	Adjusts the sharpness of images.	p.79
Ⓒ	Adjusts the contrast of images.	p.81

CAMERA tab
PICTURE tab
CARD tab
SETUP tab

ALL RESET ▷ ON
■))) ▷ ON
REC VIEW ▷ ON
FILE NAME ▷ RESET
PIXEL MAPPING

SETUP

1

Getting started

CARD tab		
CARD SETUP	Formats a card.	p.107

SETUP tab		
ALL RESET	Selects whether to save the current camera settings when you turn off the power.	p.110
■)))	Turns the beep sound (used for warnings, etc.) on and off.	p.106
REC VIEW	Selects whether to display pictures on the monitor while saving them.	p.109
FILE NAME	Changes how file names are assigned.	p.114
PIXEL MAPPING	Checks the CCD and image processing functions.	p.116
🖳	Adjusts the brightness of the monitor.	p.113
🕒	Sets the date and time.	p.24

Playback mode

PLAY tab
EDIT tab
CARD tab
SETUP tab
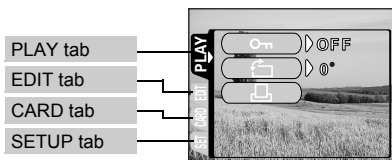
PLAY tab		
🔑	Protects pictures from accidental erasure.	p.92
↩	Rotates pictures 90 degrees clockwise or counterclockwise.	p.89
凸	Stores printing information required for DPOF printers on the card.	p.117

EDIT tab		
BLACK & WHITE	Creates black and white pictures.	p.96
SEPIA	Creates sepia-toned pictures.	p.97
⬓	Makes the file size smaller.	p.98
廿	Creates a cropped picture from the enlarged part of a picture.	p.99

CARD tab		
CARD SETUP	Formats a card.	p.107
	Erases all image data stored on the card.	p.95
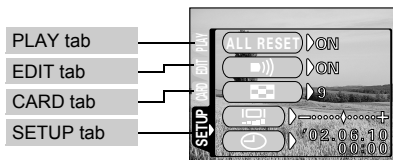
PLAY tab
EDIT tab
CARD tab
SETUP tab

ALL RESET >ON
■))) >ON
>9
'02.06.10
00:00

SETUP tab		
ALL RESET	Selects whether to save the current camera settings when you turn off the power.	p.110
■)))	Turns the beep sound (used for warnings, etc.) on and off.	p.106
▱	Selects the number of frames in the index display.	p.86
🖳	Adjusts the brightness of the monitor.	p.113
⊘	Sets the date and time.	p.24

1

Getting started

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Chapter 2 Shooting basics

Holding the camera

Hold the camera firmly with both hands while keeping your elbows at your sides to prevent the camera from moving.
When taking pictures in the vertical position, hold the camera so that the flash is at the top.

Correct grip:
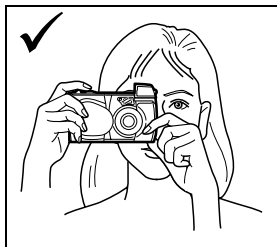
Horizontal grip   Vertical grip
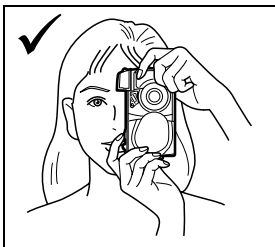
Incorrect grip:
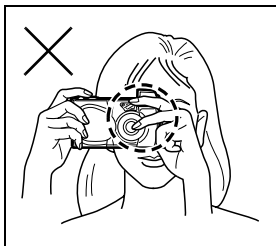
Keep your fingers and the strap away from the lens and flash.

Note	Clear images cannot be obtained if the camera moves as the shutter button is pressed. Hold the camera correctly, and press the shutter button gently.

Shooting modes

■■■■■■

There are seven modes from which you can choose depending on the shooting conditions and the effect you want to achieve. The contrast, sharpness, etc. are set in the optimal condition for each mode. The shooting modes can be combined with the various setting selections in the Shortcut Menus and Mode Menu.

1 Open the lens barrier fully.
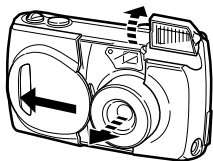
The camera turns on in the shooting mode.
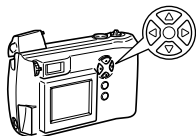
2 Press ◁.

The monitor turns on and the screen for selecting the shooting mode (virtual dial) is displayed.
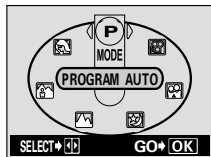
Virtual dial screen

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3 **Select the mode best suited to your purpose from the following.**
   Press ◁ ▷ to select the mode, then press ▤ to execute the setting.

PROGRAM AUTO ◁▷ PORTRAIT ◁▷ LANDSCAPE - PORTRAIT ◁▷ LANDSCAPE

MOVIE ◁▷ SELF PORTRAIT ◁▷ NIGHT SCENE
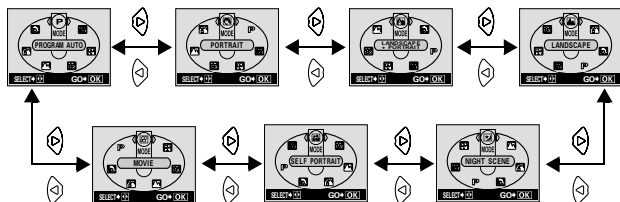
P **PROGRAM AUTO (Factory default setting)**

When taking still pictures, the camera adjusts the flash, metering and other functions to the chosen settings.

◙ **PORTRAIT**

Suitable for taking a portrait-style shot of a person. This mode features an in-focus subject against a blurred background. The camera automatically sets the optimal shooting conditions.

◘ **LANDSCAPE - PORTRAIT**

Suitable for taking photos of both your subject and the background. The picture is taken with the background as well as the subject in the foreground in focus. You can take photos of your subject against a beautiful sky or landscape. The camera automatically sets the optimal shooting conditions.

◩ **LANDSCAPE**

Suitable for taking photos of landscapes and other outdoor scenes. The camera focuses on a distant tree or mountain to produce a clear picture. Since blues and greens are vividly reproduced in this mode, the landscape mode is excellent for shooting natural scenery. The camera automatically sets the optimal shooting conditions.

2

Shooting basics

�
 NIGHT SCENE

Suitable for shooting pictures in the evening or at night. The camera sets a slower shutter speed than is used in normal shooting. If you take a picture of a street at night in any other mode, the lack of brightness will result in a dark picture with only dots of light showing. In this mode, the true appearance of the street is captured. The camera automatically sets the optimal shooting conditions. "Night scene mode" (☞ p.47)
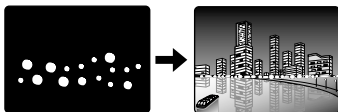
☒ SELF PORTRAIT

Enables you to take a picture of yourself while holding the camera. Point the lens towards yourself and the focus will be locked on you. The camera automatically sets the optimal shooting conditions. The zoom is fixed in the Wide position and cannot be changed.
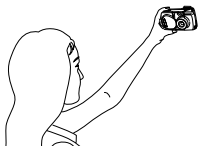
☒ MOVIE

Lets you record movies. The camera maintains the correct focus and exposure even if your subject moves or the distance between your subject and the camera changes. You cannot record movies with sound. "Recording movies" (☞ p.49)

| Note | Refer to "List of items by shooting mode" (☞ p.139) for details of the settings for each mode. |

| ⚠ Caution | • Sequential shooting and AF Sequential shooting are not available in Night Scene mode.
• The digital zoom and panorama shooting are not available in Self-Portrait mode. |

2

Shooting basics

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You can take still pictures using either the viewfinder or the monitor. Both methods are easy as all you have to do is to press the shutter button.

Taking still pictures using the viewfinder

1 **Open the lens barrier fully.**
Slide the lens barrier fully open until it clicks.
The flash pops up and the lens extends.
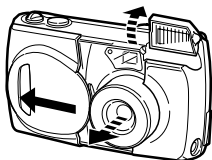
2 **Position the AF target mark over the subject in the viewfinder.**
When the distance from the camera to the subject is less than 0.8 m/2.6 ft, select the macro mode. "Taking close-up pictures (Macro mode)" (☞ p.57)
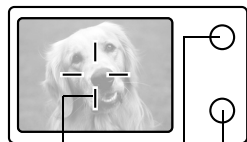
Orange lamp

AF target mark   Green lamp

3 **Press the shutter button gently (halfway).**
The focus and exposure are locked when the green lamp on the right of the viewfinder lights up. At this time the sound of the focusing mechanism

Shutter button

can be heard from inside the camera, but no picture is being taken.

4 **Press the shutter button all the way (fully).**
The camera takes the picture.
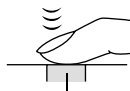
Shutter button

Note
- While the green lamp is blinking, the subject cannot be brought into focus. Remove your finger from the shutter button, re-position your subject and half-press the shutter button again. "If correct focus cannot be obtained" (☞ p.44)
- When the camera is too close to the subject, the green lamp blinks. "Taking close-up pictures (Macro mode)" (☞ p.57)

Taking still pictures using the monitor

1 **Open the lens barrier fully.**
Slide the lens barrier fully open until it clicks.
The flash pops up and the lens extends.
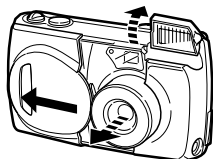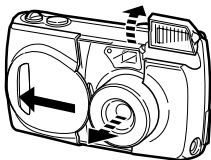
2 **Press ⓞ.**
The monitor turns on. "Monitor indications" (☞ p.10)
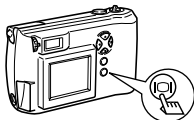
3 **Determine the image composition while observing your subject on the monitor.**

4 **Take the picture by following the same procedure as for shooting using the viewfinder.**
Press the shutter button all the way (fully) to take the picture.
"Taking still pictures using the viewfinder" (☞ p.40)
When you want to take pictures with the monitor off, press ⓞ again.

Shooting mode (p.37)
AF target mark (p.10)

HQ
1984×1488

No. of storable still pictures (p.69)
Memory gauge (p.12)
Flash stand-by/Flash charge (p.10)
This indicates the same status as the orange lamp on the right of the viewfinder.
Green lamp (p.10)
This indicates the same status as the green lamp on the right of the viewfinder.

2

Shooting basics

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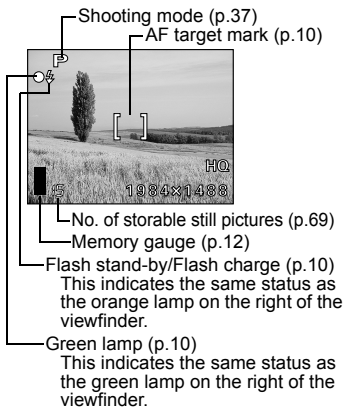
Note

• While the orange lamp is blinking slowly after the shutter button is pressed halfway, the flash is charging. While the orange lamp is blinking quickly after shooting, the picture you just took is being stored. Wait until the lamps go off to take another picture.

• If the memory gauge is fully lit, you cannot take any pictures. Wait a few seconds until the memory gauge goes off to take another picture. "Memory gauge" (☞ p.12)

• The monitor is used for checking the image composition. Camera movement, the correct focus and exposure condition of the recorded picture should be checked by close-up playback. "Close-up playback" (☞ p.84)

Caution

• Press the shutter button gently using the ball of your finger. If it is pressed hard, the camera may move and pictures may come out blurred.

• Never open the card cover, remove the batteries or disconnect the AC adapter while the orange lamp is blinking. Doing so could destroy stored pictures and prevent storage of pictures you have just taken.

2

Shooting basics

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Comparison of the viewfinder & monitor

	Viewfinder	Monitor
Advantages	Camera movement does not occur easily and subjects can be seen clearly even in bright places. Little battery power is used.	You can check the picture area that the camera actually records more accurately.
Disadvantages	When close to a subject, the image in the viewfinder is a little different from the picture that the camera actually records.	Camera movement can occur easily and subjects may be difficult to see in bright/dark places. The monitor uses more battery power than the viewfinder.
Tips	Use the viewfinder for general snapshots (landscape pictures, casual shots, etc.) or when taking several pictures in a row (approx. 0.8 m/2.6 ft – ∞).	Use the monitor when you need to know the exact area the camera records, or when you want to shoot a close subject such as a close-up portrait or flower (approx. 0.2 m - 0.8 m/0.7 ft - 2.6 ft).
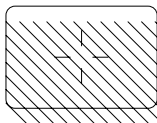
- The camera records a wider area than the image in the viewfinder.
- As you get closer to the subject, the actual image recorded becomes lower than the one in the viewfinder (see left).

2

Shooting basics

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If correct focus cannot be obtained

When the subject you want to focus on is not in the center of the frame and you cannot position the AF target mark on it, you can focus the camera on another point at roughly the same distance (focus lock) and take the picture as explained below.

Determine the position of the subject after focusing (Focus Lock)

1 **Open the lens barrier fully.**
The camera turns on in the shooting mode.
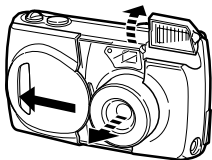
2 **Look into the viewfinder and position the AF target mark over the subject.**
When shooting a hard-to-focus subject or a fast-moving subject, point the camera at an object about the same distance away as the subject.

Viewfinder Green lamp

3 **Half-press the shutter button until the green lamp on the right of the viewfinder illuminates steady.**
The focus and exposure are locked when the green lamp lights up.

Shutter button

4 **Keeping the shutter button pressed halfway, recompose your shot in the viewfinder.**

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5 **Press the shutter button fully.**
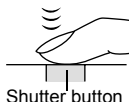
Shutter button

Focusing on distant subjects (∞ Quick Focus)

The lens can be set for far-distance focus (∞). Use this function when it is
difficult to focus on a subject in the distance.

1 **Open the lens barrier fully.**
The camera turns on in the shooting
mode.

2 **Press ⬙.**
The monitor turns on and the current AF
setting is displayed.

2

Shooting basics

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----
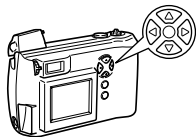
3 Press ▽ until ∞ is displayed.

The setting changes in the sequence AF-
♥ - ∞ each time ▽ is pressed.
When Quick Focus is set, the ∞ mark is
displayed on the monitor.
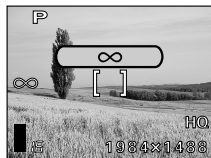
4 Press the shutter button fully.

To cancel Quick Focus mode, press ▽ repeatedly until AF is
displayed. The ∞ mark disappears.

Subjects that are difficult to focus on

Under certain types of conditions, the auto focus may not work properly. If this
happens, focus on an object with high contrast at the same distance as the
intended subject (focus lock), recompose your shot and then take the picture.
If the subject has no vertical lines, hold the camera vertically and focus the
camera using the focus lock function by pressing the shutter button halfway,
then return the camera to the horizontal position while keeping the button
half-pressed and take the picture.

The green lamp on the right of the viewfinder blinks. The subject cannot be brought into focus.	Subject with low contrast	Subject with an extremely bright area in the center of the frame	Subject without vertical lines
The green lamp on the right of the viewfinder lights up, but the subject cannot be brought into focus.	Subjects at different distances	Fast-moving subject	The subject to be focused on is not in the center of the frame
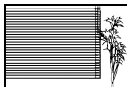
2

Shooting basics

Night scene mode ⊠

Setting the mode to NIGHT SCENE allows you to take landscape shots at night under optimum conditions. In this mode, the shutter speed is not fixed to 1/30 second even when the flash is activated. Depending upon the subject or shooting conditions, shutter speed may extend up to 2 seconds. The noise reduction function activates automatically reducing 'noise' when the shutter speed is over 1 second. This function reduces electrostatic 'noise' that occurs with long exposure shots.

Normal mode   Night scene mode

The pictures above illustrate the difference between the two modes and do not represent actual shots.

1   **Open the lens barrier fully.**
       The camera turns on in the shooting mode.
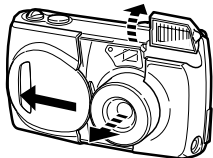
2   **Press ◁.**
       The monitor turns on and the screen for selecting the shooting mode is displayed.

----
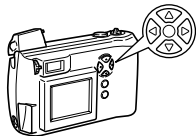
3 Press ◁ ◇ to select NIGHT SCENE, then press ⊜.

The setting is set to Night scene mode and the camera returns to shooting mode.
The night scene mark ⚡ appears on the monitor.
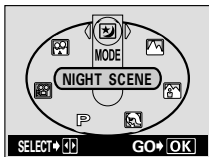
4 Take the picture.

If the shutter speed is more than 1 second, the noise reduction function will automatically be activated. The green and orange lamps will blink during processing. The processing will take the same amount of time as the exposure time.

⚠ Caution

- The camera can be moved during noise reduction processing, but shots cannot be taken.
- The factory default setting in Night scene mode is the auto flash. Selecting the red-eye reduction flash automatically changes the setting to the fill-in flash.
- Sequential shooting, AF Sequential shooting and panorama shooting cannot be used in Night scene mode.
- As the shutter speed is relatively slow, the use of a tripod is recommended.

Recording movies 🎬

You can record movies with this camera. Recorded movies can be played back or stored separately as still pictures using the index function. "Creating an index" (☞ p.102)

1 Open the lens barrier fully.
The camera turns on in the shooting mode.
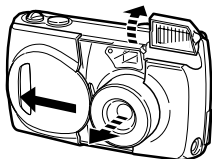
2 Press ◁.
The monitor turns on and the screen for selecting the shooting mode is displayed.
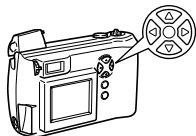
3 Press ◁ ▷ to select MOVIE, then press 🔘ᴏₖ.
Movie recording is set and the menu is closed.
The 🎬 mark and the total recordable time depending on the card memory capacity are displayed on the monitor.
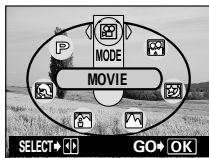
4 Record the movie while observing your subject on the monitor.
Press the shutter button fully to start recording. When you press the shutter button, the number of seconds remaining for one recording is displayed.
Press the shutter button fully again to stop recording.

Seconds
remaining

49

To cancel movie mode

Press ⊙ .

The monitor turns off and the movie mode is canceled.

Note

- The movie mode is canceled when the lens barrier is closed. "Saving the settings (All Reset)" (☞ p.110)
- During movie recording, the flash is disabled.
- It takes longer to store movies than still pictures.
- The seconds remaining varies depending on the record mode and the amount of space available on the card.
- You cannot record movies with sound.

Zooming in on a subject (Optical zoom/Digital zoom)

Telephoto and wide-angle shooting are possible at 2.8× (36 mm - 100 mm on a 35 mm camera) magnification using the optical zoom. By combining the optical zoom with the digital zoom, you can obtain a zoom magnification equivalent to approximately 10× max.

Using the optical zoom

1 Open the lens barrier fully.
The camera turns on in the shooting mode.
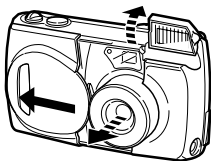
2 Press the zoom lever while looking in the viewfinder.
Press the zoom lever toward $_T Q$ to zoom in.
Press the zoom lever toward $_W$ to zoom out.

Zoom lever
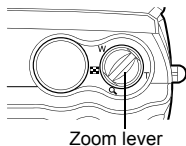
3 Take the picture while looking in the viewfinder.

Using the digital zoom

To use the digital zoom, set the digital zoom to ON in the CAMERA tab. The digital zoom lets you take pictures at a magnification of approximately 3.6× max.

1 **Display the top menu in the shooting mode.**
   • Open the lens barrier fully.
   • Press ⓔₒₖ .
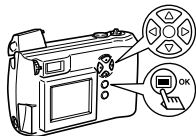
2 **Press ⓥ to select MODE MENU.**

3 **Press △ ▽ to select the CAMERA tab, then press ⓥ .**
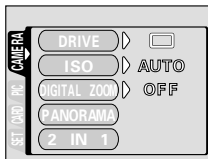
4 **Press △ ▽ to select DIGITAL ZOOM, then press ⓥ .**
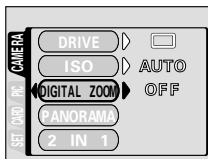
5 **Press △ ▽ to select ON, then press ⓔₒₖ .**
   The digital zoom is set.
   To close the menu, press ⓔₒₖ again.

2

Shooting basics

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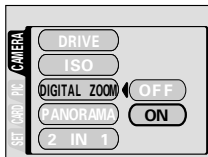
6 **Press the zoom lever toward $_{T}Q$.**

The bar moves on the zoom indicator according to the zoom magnification.

Note
- The white section of the zoom indicator indicates the optical zoom. If the digital zoom is set to ON, a red section appears on the zoom indicator. When you reach the limit of the optical zoom, the digital zoom is enabled.
- Pictures taken with the digital zoom may appear grainy.
- Camera movement is likely to occur at higher magnifications. Stabilize the camera with a tripod, etc. to avoid camera movement.
- Turning the monitor off cancels the digital zoom. However, when the digital zoom is set to ON, it will be automatically enabled the next time you turn the monitor on.

Caution

You cannot use the digital zoom in Self-Portrait mode.

2

Shooting basics

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Using the flash

In the auto-flash mode (factory default setting), the flash is designed to fire automatically when shooting under low light or against strong backlight, but you can change the flash mode to suit different shooting situations. Select the flash mode best suited to the light conditions and the effect you want to achieve.
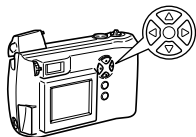
1 Open the lens barrier fully.
The camera turns on in the shooting mode.
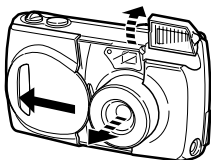
2 Press ⊳.
The current flash setting is displayed.

P

AUTO

HQ
1984×1488
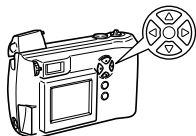
3 Press ⊳ while the current flash setting is displayed.
Each time you press ⊳, the flash mode changes in the following sequence:
AUTO - ◉ - ⚡ - ⚡̸ .

P

◎   ◎

HQ
1984×1488
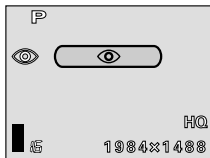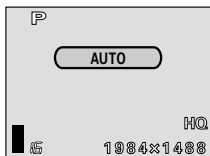
4 Take the picture.

Note
- The flash working range is approximately 3.4 m/11.2 ft.
- The camera returns to the auto-flash mode (factory default setting) when the lens barrier is closed. "Saving the settings (All Reset)" (☞ p.110)

⚠ Caution
- While the orange lamp is blinking, the flash is charging and the shutter button will not release when the flash is set to fire. Wait until the lamp goes off, then retry shooting.
- If you use the flash when shooting at a close distance, shadows may be conspicuous and the correct exposure may not be achieved.
- In sequential shooting, AF Sequential shooting, panorama or movie mode, the flash is disabled.

Auto-flash (No indication)

The flash fires automatically in low light or backlight conditions.
To shoot a subject with backlight, position the AF target mark over the subject in the viewfinder.

Red-eye reduction flash (◉)

The light from the flash may make the subject's eyes appear red in pictures. The red-eye reduction flash mode reduces this phenomenon by emitting pre-flashes before firing the regular flash. This helps accustom the subject's eyes to the bright light and minimizes the red-eye phenomenon.
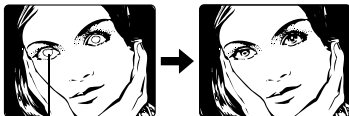
The subject's eyes appear red.

⚠ Caution
- After the first pre-flash, it takes about 1 second before the shutter is released. Hold the camera firmly to avoid camera movement.
- Effectiveness may be limited if the subject is not looking directly at the pre-flashes, or if the shooting range is too far. Individual physical characteristics may also limit effectiveness.

2

Shooting basics

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Fill-in flash (⚡)

The flash always fires every time the shutter button is released. This mode is useful when you want to minimize shadows around the subject (such as the shade of tree leaves on the subject's face), in backlight condition, or under artificial light such as a fluorescent lamp.

⚠ Caution

The fill-in flash may not have the desired effect under excessively bright light.

Flash off (⚡)

The flash does not fire even in low light conditions. Use this mode in situations where flash photography is not desired or is prohibited, such as in an art museum. You can also use this mode when you want to shoot a natural-looking twilight or night scene.

⚠ Caution

Since a slow shutter speed is automatically selected in low light situations when in the flash off mode, the use of a tripod is recommended to prevent your pictures from being blurred by camera movement.

2

Shooting basics

Chapter 3 Advanced shooting

Taking close-up pictures (Macro mode)

The macro mode allows you to shoot a subject at a distance of 0.2 - 0.8 m/
0.7 - 2.6 ft.
If you take a close-up picture of a subject at this distance using the normal
shooting mode, it will take more time for the camera to focus on the subject.
Focusing is much faster in macro mode.

Normal shooting   With the macro mode

1 **Open the lens barrier fully.**
The camera turns on in the shooting
mode.

2 **Press ◁.**
The monitor turns on and the current AF
setting is displayed.

----

3 **Press** ⊘ **until** 🌷 **is displayed.**

The setting changes in the sequence AF -
🌷 - ∞ each time ⊘ is pressed.
When the macro mode is selected, the
macro mode indicator 🌷 is displayed.

4 **Take the picture while observing**
your subject on the monitor.

To cancel macro mode, press ⊘ repeatedly until AF appears. The
macro mode indicator 🌷 disappears.

> **Note**
>
> The macro mode is canceled when the lens barrier is closed. "Saving
> the settings (All Reset)" (☞ p.110)

> ⚠ **Caution**
>
> • In the macro mode, keep a minimum distance of 0.2 m - 0.8 m/0.7 ft
>   - 2.6 ft between the camera and the subject. When the camera is too
>   close to the subject, the green lamp blinks.
> • If you use the flash in macro shooting, shadows may be conspicuous
>   and the correct exposure may not be achieved.

3

Advanced shooting

This function is useful for taking pictures with yourself included in the photograph. Fix the camera securely on a tripod or stable surface for self-timer shooting.

1 **Open the lens barrier fully.**
The camera turns on in the shooting mode.
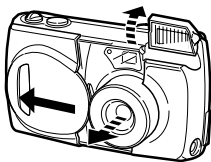
2 **Press ⬇.**
The monitor turns on and the current self-timer setting is displayed.
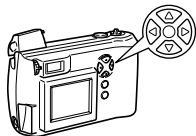
3 **Press ⬇ while the current self-timer setting is displayed.**
The setting changes between ☉ ON and ☉ OFF each time ⬇ is pressed.

3

Advanced shooting

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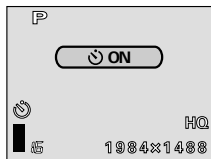
4 **Press the shutter button fully.**
The self-timer lamp lights up for
approximately 10 seconds, then starts
blinking. After blinking for 2 seconds with
a beep sound, the picture is taken.

Self-timer lamp

3

Advanced shooting
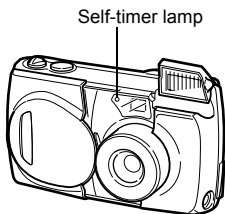
Note

• The self-timer mode is canceled automatically after taking one picture
 or when the lens barrier is closed even if All Reset is set to OFF.
• To cancel shooting after the shutter button has been pressed, press
 $\bigcirc\!\!\!\!\triangledown$.

Selecting the metering area (Spot metering)

In a backlight situation, your subject may appear dark if the picture is taken with the normal metering value (Digital ESP metering). In this case, by changing the metering area to the center of the viewfinder (Spot metering), a subject can be shot with optimal exposure regardless of the background light.

Metering settings

ESP (Digital ESP)　　: Meters the center of the viewfinder and the area around it separately to obtain the optimum exposure. (No indication is displayed on the monitor.)

▢ (Spot metering)　: Meters only the center of the viewfinder to obtain the appropriate exposure for the subject.

1　Display the top menu in the shooting mode.
   - Open the lens barrier fully.
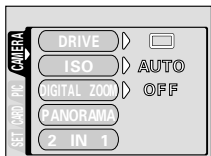   - Press 🔘.
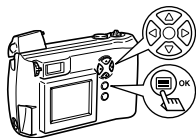
2　Press △ to select ESP/▢.
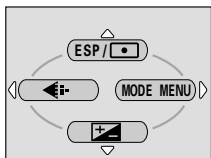
3　Press △ ▽ to select ▢, then press 🔘.
   Spot metering is set and the menu is closed.
   The selected setting is highlighted in the green frame.
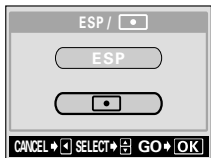
4　Take the picture while positioning the AF target mark on your subject in the viewfinder.

Note

The camera returns to ESP (factory default setting) when the lens barrier is closed. "Saving the settings (All Reset)" (☞ p.110)

3

Advanced shooting

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This function allows you to take a rapid succession of still pictures by pressing and holding the shutter button (up to 11 pictures at 1.2 frames per second by Sequential shooting in HQ mode). You can choose between Sequential shooting and AF Sequential shooting. As you can choose the best picture from a series of sequential shots, you are recommended to use this mode when taking a moving subject. You can also erase the unwanted shots afterwards. "Single-frame erase" (☞ p.94)

☐ (Sequential shooting)	:	The focus, exposure and white balance are locked at the first frame.
AF☐ (AF Sequential shooting)	:	The focus is individually locked for each shot. The AF Sequential shooting speed is slower than for normal sequential shooting.

1 **Display the top menu in the shooting mode.**
   • Open the lens barrier fully.
   • Press 🗐 .
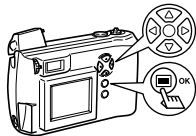
2 **Press ⓑ to select MODE MENU.**

3 **Press △ ▽ to select the CAMERA tab, then press ⓑ .**
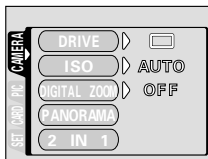
4 **Press △ ▽ to select DRIVE, then press ⓑ .**

----
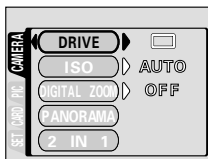
5 **Press ⊘ ⊘ to select ⊒ or**
AF⊒ , then press ⊜ₒ .
Sequential shooting or AF Sequential
shooting is set.
To close the menu, press ⊜ₒ again.

	DRIVE	
CAMERA	ISO	
	DIGITAL ZOOM	AF⊒
SET CARD PIC.	PANORAMA	
	2 IN 1	
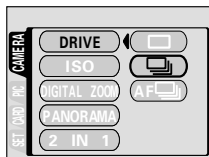
6 **Take the pictures.**
Press the shutter button fully and keep it pressed. The camera will take
pictures in sequence until you release the button.

Note

- The sequential shooting and AF sequential shooting mode is canceled when the lens barrier is closed. "Saving the settings (All Reset)" (☞ p.110)
- During sequential shooting, the flash is disabled.
- To minimize camera movement, the shutter speed is set to 1/30 sec. max. As a result, dark subjects may appear darker than usual.
- The number of pictures that can be shot in succession and the sequential shooting speed vary depending on the subject, the record mode, and the amount of space available on the card.

⚠️
Caution

It takes longer than usual to store pictures after sequential shooting.

3

Advanced shooting

Panorama shooting

You can take advantage of panorama shooting with the Olympus CAMEDIA-brand SmartMedia card. (Non-Olympus cards do not support this feature.) Panorama shooting lets you connect pictures with overlapping edges into a single panoramic picture, using the CAMEDIA Master software.

1 **Display the top menu in the shooting mode.**
- Open the lens barrier fully.
- Press 🗐.
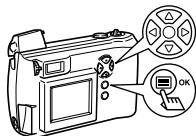
2 **Press ⓑ to select MODE MENU.**

3 **Press ▵ ▿ to select the CAMERA tab, then press ⓑ.**

4 **Press ▵ ▿ to select PANORAMA, then press ⓑ.**
The panorama mode is set and the monitor turns on automatically.
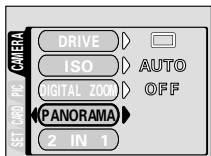
5 **Press the arrow pad to select the direction that you want to connect pictures.**
- ⓑ : Connects the pictures from left to right.
- ⓓ : Connects the pictures from right to left.
- ▵ : Connects the pictures from bottom to top.
- ▿ : Connects the pictures from top to bottom.
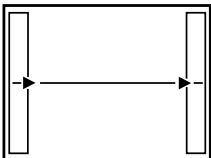
Connects a series of pictures from left to right.

----

6 **Make sure that the edges of the pictures overlap, then take your pictures.**

Panorama shooting is possible for up to 10 pictures.
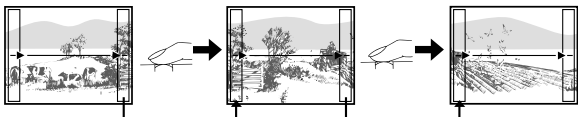
The previous shot will not be displayed in the frame when taking the next shot.

Compose your shots so that they overlap to form one picture.

When you try to take more than 10 pictures, a mark is displayed.

7 **Press ⬛ₒₖ to finish panorama shooting.**

| Note | The panorama mode is canceled when ⬛ₒₖ is pressed or the lens barrier is closed. |

⚠ Caution

- The panorama mode is only available with Olympus CAMEDIA-brand SmartMedia cards.
- Exposure and white balance are set by the first picture. Do not select an extremely bright subject (such as the sun) for the first picture.
- Your computer's memory may be insufficient if you take too many panorama pictures in HQ/SHQ mode. You are recommended to use SQ mode for panorama shooting.
- During panorama shooting, the flash and sequential shooting functions are disabled.
- If you take panorama pictures with the record mode set to TIFF, the pictures will be stored with the same resolution in the JPEG format.
- The camera itself cannot edit panorama pictures. To connect each picture, the CAMEDIA Master software is necessary.

3

Advanced shooting

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Taking two-in-one pictures

▪▪▪▪▪▪

This function allows you to combine two pictures taken in succession and store them as a single picture. You can combine two different subjects in one picture.

Picture when played back

1 Display the top menu in the shooting mode.

- Open the lens barrier fully.
- Press 🖲 .

2 Press ◈ to select MODE MENU.

3 Press ◁ ▷ to select the CAMERA tab, then press ◈ .

CAMERA	DRIVE	▷	▭
	ISO	▷	AUTO
	DIGITAL ZOOM	▷	OFF
	PANORAMA		
	2 IN 1		
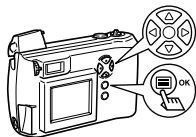
4 Press ◁ ▷ to select 2 IN 1, then press ◈ .

The two-in-one picture mode is set and the monitor turns on automatically.

CAMERA	DRIVE	▷	▭
	ISO	▷	AUTO
	DIGITAL ZOOM	▷	OFF
	PANORAMA		
	2 IN 1	▷	

----
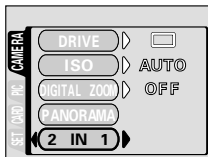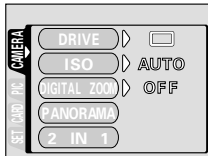
5 **Take the first shot while observing your subject on the monitor.**

The subject is positioned on the left.
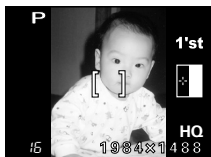
6 **Take the second shot in succession.**

The subject is positioned on the right.
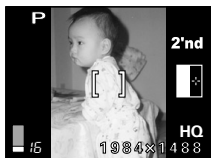
Picture when shooting

Note

- The two-in-one picture mode is canceled when ⓘₒₖ is pressed or the lens barrier is closed.
- During two-in-one picture shooting, the sequential shooting function is disabled.
- When the battery power is exhausted (▭ indicator is displayed), the flash will automatically turn off.
- Press ⓘₒₖ to cancel the two-in-one picture mode after the first shot has been taken. The first picture will not be stored.

3

Advanced shooting

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Selecting the image quality and size (Record mode)

Choose the best record mode for your purposes (printing, editing on a PC, website editing, etc.). For details of the record modes, resolutions and number of images storable on the card, refer to the table on the next page. The numbers in the table are approximate.

Still picture record modes

| Record mode	Description	Quality	File size
TIFF	• The highest quality mode. As the images are saved as uncompressed data, this is the best mode for printing or image-processing on a PC. This mode has different resolutions to choose from, depending on your purpose. It takes longer to save the images.	Clearer ↑	Larger ↑
SHQ (Super High Quality)	A high quality mode using the JPEG format. Because the compression rate is very low, high quality can be maintained. • Use this mode when you want to print out an image with high quality or on large paper such as A4 (8.3" × 11.7"/21 cm × 29.7 cm), or you want to process images on a PC. • As the image quality is high, the number of storable images is reduced.		
HQ (High Quality)	A high quality mode with medium compression. Because the compression rate is higher than SHQ and the file size is smaller, more images can be saved to a card. • Use this mode when you want to edit images on a PC or print them out on postcard size paper. • This mode is the factory default setting.		
SQ (Standard Quality)	The resolutions in this mode are smaller than in SHQ or HQ. For each resolution, you can choose HIGH (to reduce noise) or NORMAL (to save more images). Select the best setting for your purpose (printing, Internet pages, etc.). • Use this mode when you want to attach images to e-mail or simply view them on a PC. • This is the standard quality mode. The number of storable images is increased.	↓ Normal	↓ Smaller
3:2	As with pictures taken using 35mm film, the aspect ratio is 3:2 (1984 × 1312). You can choose TIFF, HIGH or NORMAL. The pictures can be printed at a photo lab without cropping the photo.	–	–

Record mode	Resolution		Compression	File format	Number of images storable on the card		
					16 MB	32 MB	64 MB
TIFF	1984×1488		Uncompressed	TIFF	1	3	7
	1600×1200				2	5	11
	1280×960				4	8	17
	1024×768				6	13	27
	640×480				16	33	67
SHQ	1984×1488		Low compression		7	15	30
HQ	1984×1488		Normal		21	43	86
SQ	1600×1200	HIGH	*	JPEG	11	23	46
		NORMAL			32	64	128
	1280×960	HIGH			18	36	72
		NORMAL			49	99	199
	1024×768	HIGH			27	55	110
		NORMAL			76	153	306
	640×480	HIGH			66	132	265
		NORMAL			165	331	664
3:2	1984×1312	TIFF	Uncompressed	TIFF	2	4	8
		HIGH	*	JPEG	8	17	34
		NORMAL			24	48	97

*HIGH uses low compression/NORMAL uses standard compression

Movie record modes
Total recording time that can be stored on one card (seconds)

Record mode	Resolution	SmartMedia capacity	16 MB	32 MB	64 MB
HQ	320×240 (15 frames/sec.)		48	96	193
SQ	160×120 (15 frames/sec.)		211	424	849

The recording time for one record varies.

Products with PAL VIDEO OUT

If movie pictures are shot with the Video cable connected, their maximum recording time may be different from this table.

----

1 **Display the top menu in the shooting mode.**
   • Open the lens barrier fully.
   • Press ▣.
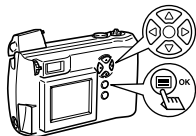
2 **Press ◁ to select ◀⁞.**

3 **Press △ ▽ to select one of the record modes, then press ▣.**
   The record modes for still pictures are 3:2, SHQ, HQ, SQ and TIFF, and for movies are HQ and SQ.
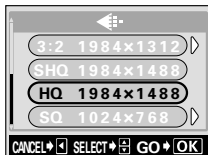
4 **If you select 3:2, SQ or TIFF, press ▷ to select further options.**

   If you select 3:2

   Press △ ▽ to select TIFF, HIGH or NORMAL, then press ▣.
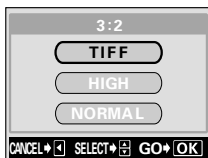
   If you select SQ

   Press △ ▽ to select the resolution, then press ▷ to select HIGH or NORMAL, then press ▣.

Still picture record modes

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Adjusting the image quality and exposure

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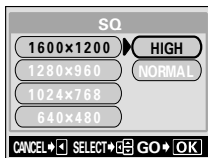
If you select TIFF

Press ⬿ ⬾ to select the resolution,
then press 🔘.

> **TIFF**
> (1984x1488)
> (1600x1200)
> (1280x960)
> (1024x768)
> CANCEL◆◀ SELECT◆⊟ GO◆ OK

> **TIFF**
> (640 x 480)
> CANCEL◆◀ SELECT◆⊟ GO◆ OK
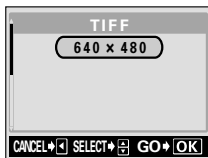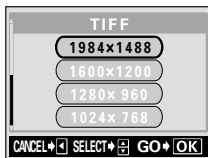
To set the record mode and close the menu, press 🔘 again.

5 **Take the picture.**

Note
- The record mode setting returns to HQ (factory default setting) when the lens barrier is closed. "Saving the settings (All Reset)" (☞ p.110)
- The still picture record mode and the movie record mode are set on different menus. Even if you change the movie record mode, the still picture record mode remains the same.

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Adjusting the image quality and exposure

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Relation between the record mode and the resolution

Resolution

The number of pixels (horizontal × vertical) used when saving an image. If the image will be printed, higher resolutions (larger numbers) are recommended so that the image will be clearer. However, higher resolutions make the file size (amount of data) larger, so the number of pictures that can be saved will be fewer.

Resolution and picture size on a computer screen

When a picture is transferred to a computer, the size of the picture on the computer screen varies depending on the computer's monitor setting. For instance, a picture taken in 1024 × 768 resolution is the same size as the screen if you set the picture to 1× when the monitor setting is 1024 × 768. However, if the monitor setting is over 1024 × 768 (such as 1280 × 1024), the picture only takes up part of the screen.

Compression rate

In record modes other than TIFF, image data are compressed. The higher the compression rate, the less clear the image.

File format

This camera saves images with either TIFF or JPEG formats. In record modes other than TIFF, images are compressed in the JPEG format. The compression rate also varies in each mode.

Selecting the ISO sensitivity

The higher the ISO value, the greater the camera's light sensitivity and the better its ability to shoot in low light conditions. However, higher values also introduce electrical noise into the resulting image, which may make them a grainy appearance.

ISO settings

AUTO : Sensitivity is automatically adjusted according to the light conditions and the subject brightness. (No indication is displayed on the monitor.)

100/200/400 : 100 is best when you want to shoot clear, sharp images in daylight. With a higher ISO setting, you can use faster shutter speeds with the same amount of light.

1 Display the top menu in the shooting mode.

- Open the lens barrier fully.
- Press ▤.

2 Press ▷ to select MODE MENU.

3 Press △ ▽ to select the CAMERA tab, then press ▷.

```
           DRIVE       □
  CAMERA   ISO         AUTO
           DIGITAL ZOOM OFF
           PANORAMA
           2 IN 1
```
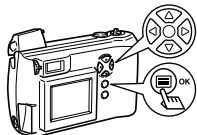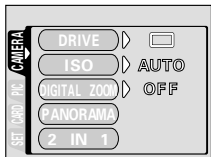
4 Press △ ▽ to select ISO, then press ▷.

```
           DRIVE       □
  CAMERA   ISO         AUTO
           DIGITAL ZOOM OFF
           PANORAMA
           2 IN 1
```

----
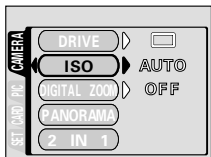
5 **Press ⬆ ⬇ to select one of the ISO settings: AUTO, 100, 200 or 400, then press ⓔ.**

The ISO value is set.

To close the menu, press ⓔ again.

CAMERA	DRIVE	
	ISO	AUTO
PIC	DIGITAL ZOOM	100
CARD	PANORAMA	200
SET	2 IN 1	400
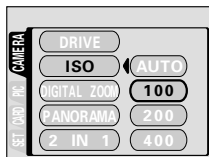
6 **Take the picture.**

Note

The ISO value returns to AUTO (factory default setting) when the lens barrier is closed. "Saving the settings (All Reset)" (☞ p.110)

⚠ Caution

• Higher ISO settings produce more electrical noise.
• The ISO is standardized based on the sensitivity of normal camera film. The scale is approximate.
• When the ISO is set to AUTO and you are shooting in dark conditions without a flash, the ISO automatically increases, otherwise the shutter speed will be reduced, possibly resulting in camera movement and blurred images.
• If the subject is too far away for the flash illumination to reach when the ISO is set to AUTO, the ISO is automatically increased.

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Adjusting the image quality and exposure

Varying the image brightness (Exposure compensation)

This function allows you to make fine changes to the automatic exposure setting. In some situations, you may get better results when the exposure that the camera sets is compensated (adjusted) manually. You can adjust the brightness in the range of ±2.0 in 0.5 steps.

Often bright subjects (such as snow) will turn out darker than their natural colors. Adjusting towards [+] makes these subjects closer to their real shades. For the same reason, adjust towards [-] when shooting dark subjects.

−2.0   ±0   +2.0

1 Display the top menu in the shooting mode.

- Open the lens barrier fully.
- Press ◉.

2 Press ◇ to select ⊞.

----
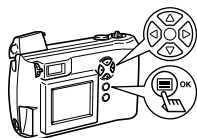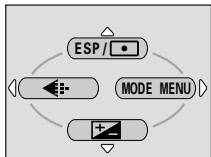
3 Press ⬁ ⬂ to select the exposure compensation value.

Select a [+] value to brighten the image or a [-] value to darken the image.
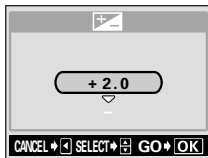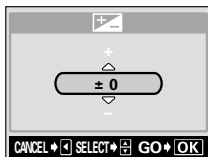
When set to +2.0

4 Press ⬛.

The exposure compensation value is set and the menu is closed.

5 Take the picture.

Note
- The exposure compensation value returns to ±0 (factory default setting) when the lens barrier is closed. "Saving the settings (All Reset)" (☞ p.110)
- When you adjust the exposure while observing the subject on the monitor, the brightness of the image displayed also changes. However, the variation may be less noticeable when the subject is dark. In this case, play back the recorded image to confirm that the exposure is satisfactory.

Caution
- If the flash is used, the image brightness (exposure) may differ from the intended brightness (exposure).
- Exposure compensation cannot correct the image if the surroundings of the subject are extremely bright or dark.

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Adjusting the image quality and exposure

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Adjusting the color tone (White balance)

Color reproduction differs depending on the light conditions. For instance, when daylight, the setting sun or tungsten lighting are reflected on white paper, the shade of white produced will be slightly different for each. By setting the WB (white balance), you can achieve more natural-looking colors.

White balance settings

AUTO	:	The white balance is adjusted automatically so that colors look natural. (No indication is displayed on the monitor.)
☼ (Sunlight)	:	For natural colors under a clear sky.
☁ (Overcast)	:	For natural colors under a cloudy sky.
☼ (Tungsten)	:	For natural colors under tungsten lighting.
☲ (Fluorescent)	:	For natural colors under fluorescent lighting.

1 Display the top menu in the shooting mode.

- Open the lens barrier fully.
- Press 🗐.
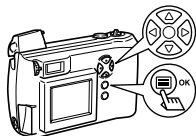
2 Press ▷ to select MODE MENU.

3 Press △ ▽ to select the PICTURE tab, then press ▷.
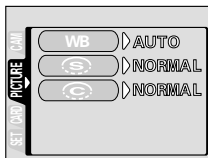
4 Press △ ▽ to select WB, then press ▷.

----
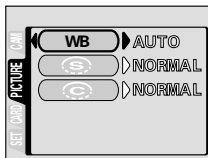
5 **Press ⊘ ⊘ to select one of the white balance modes: AUTO, ☀, ☁, ☀ or ⇄, then press ▣.**
The white balance is set.
To close the menu, press ▣ again.
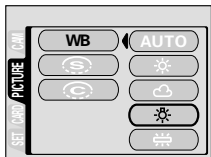
6 **Take the picture.**

> Note
> • The white balance setting returns to AUTO (factory default setting) when the lens barrier is closed. "Saving the settings (All Reset)" (☞ p.110)
> • If you want a color tone that resembles what you see under tungsten lighting, set the white balance mode to ☀.

> Caution
> • White balance may not be effective under some special light sources.
> • After setting a white balance mode other than AUTO, play back the picture and check the colors on the monitor.
> • When the flash is fired with a white balance setting other than AUTO, colors may appear different in the resulting picture from the colors you see on the monitor.
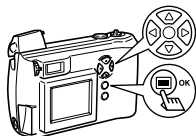
Adjusting the sharpness

Use this function when you want to blur the outlines of the subject to give a softer impression, or emphasize them to give a sharper impression.

Sharpness settings

HARD : The outlines of the subject are strongly emphasized. Use this setting for taking pictures of buildings or text.

NORMAL : This is the standard setting.

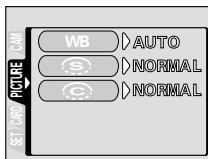SOFT : The outlines of the subject are not strongly emphasized. Use this setting when you want to edit images on a PC.

1 Display the top menu in the shooting mode.
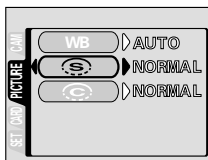- Open the lens barrier fully.
- Press (≡).

2 Press ⊙ to select MODE MENU.
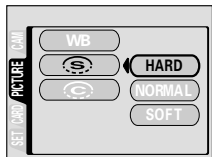
3 Press △ ▽ to select the PICTURE tab, then press ⊙.

4 Press △ ▽ to select ⑤, then press ⊙.

Adjusting the image quality and exposure

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5 Press ⬆ ⬇ to select one of the sharpness settings: HARD, NORMAL or SOFT, then press ▣.

The sharpness is set.

To close the menu, press ▣ again.

6 Take the picture.

Note
> The sharpness setting returns to NORMAL (factory default setting) when the lens barrier is closed. "Saving the settings (All Reset)" (☞ p.110)

4

Adjusting the image quality and exposure

Adjusting the contrast

■■■■■■

This function enables you to adjust the contrast of images. For example, you can make images with marked differences in light and shadow softer, and those with less differences more vivid.
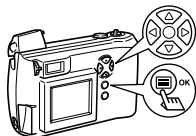
Contrast settings

HIGH : Light and shadow are defined more clearly and the image becomes crisper.

NORMAL : This is the standard setting.

LOW : Light and shadow are less defined and the image becomes softer. Use this setting when you want to edit images on a PC.
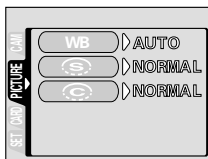
1 Display the top menu in the shooting mode.
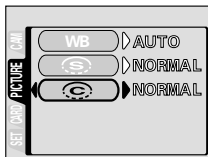
- Open the lens barrier fully.
- Press ⊜.

2 Press ▷ to select MODE MENU.

3 Press △ ▽ to select the PICTURE tab, then press ▷.

4 Press △ ▽ to select ⓒ, then press ▷.

Adjusting the image quality and exposure

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5 **Press ◇ ◇ to select one of the**
   contrast settings: HIGH, NORMAL or
   LOW, then press ⓞ.
   The contrast is set.
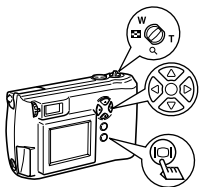   To close the menu, press ⓞ again.
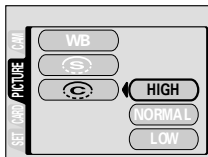
6 **Take the picture.**

| Note | The contrast setting returns to NORMAL (factory default setting) when the lens barrier is closed. "Saving the settings (All Reset)" (☞ p.110) |

Playing back still pictures

You can play back pictures one by one on the monitor.

1 Press ⬚ with the lens barrier closed.

The monitor turns on and displays the last picture taken. (Single-frame playback)

HQ

'02.06.10 12:30   16

2 Press ▵ ▿ ◁ ▷.

```
                 Jumps to the picture 10
                 frames behind.

Displays the previous ──┐     ┌── Displays the next picture.
picture.

                 Jumps to the picture 10
                 frames ahead.
```

3 Press ⬚ to cancel playback.
The monitor and camera turn off.

Note

When the camera turns on, the monitor may light for an instant and take a while to show the picture.

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Quick View (Double-click playback)

This function lets you play back pictures during shooting with the lens barrier open. It is useful when you want to check shooting results and resume shooting quickly.

1 **Press ⊙ twice quickly (double-click) in the shooting mode.**

The camera immediately enters the playback mode and displays the last picture taken. (Single-frame playback)

2 **Press the shutter button gently (halfway).**

The camera returns to the shooting mode and you can resume shooting.

Note | Functions available in normal playback mode are also available in Quick View.

Close-up playback

Pictures displayed on the monitor can be enlarged 1.5, 2, 2.5, 3, 3.5 or 4 times. This function is useful when you want to check the details of a picture.

1 **Press ⊙ with the lens barrier closed.**

The monitor turns on and displays the last picture taken.
Press ◁ ◁ to select the picture you want to enlarge.

2 **Press the zoom lever toward T^Q .**

The picture is magnified 1.5 times.
The magnification increases each time the zoom lever is pressed. To return the picture to the original size (1×), press the zoom lever toward W.

3 **By pressing ◁ ◁ ◁ ◁ while the enlarged picture is displayed, you can scroll the picture in the desired direction, enabling you to view a different section.**

Note | • The close-up playback function is not available for movies.
• Pictures cannot be stored in an enlarged state.

Index display

This function lets you show several pictures at the same time on the monitor. It is useful for quickly finding the picture you want to view. The number of pictures shown can be 4, 9 or 16. "Selecting the number of pictures" (☞ p.86)
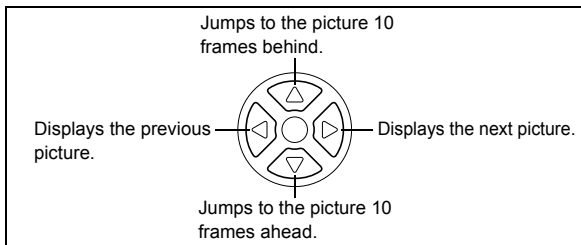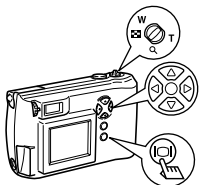
1 **Press ⊙ with the lens barrier closed.**
The monitor turns on and displays the last picture taken. (Single-frame playback)

2 **Press the zoom lever toward 🖼 to enter the index display mode.**

3 **Use the arrow pad to select a frame.**
The selected picture is highlighted in the green frame.

   ⊳ : Moves to the next frame.

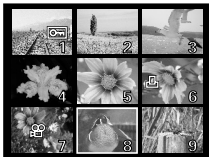   ⊲ : Moves to the previous frame.

   △ : Jumps to the previous index display (the frames before the top left frame).

   ▽ : Jumps to the next index display (the frames following the bottom right frame).

4 **To return to single-frame playback, press the zoom lever toward 🔍.**
The picture highlighted in the green frame is displayed in the single-frame playback mode.
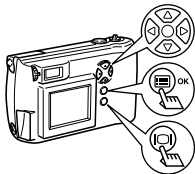
5

Playback

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Selecting the number of pictures

This function lets you change the number of pictures, 4, 9 or 16, in an index display.

1 **Display the top menu in the playback mode.**
   • Press (⊙) with the lens barrier closed.
   • Press (⊜).

2 **Press ⊘ to select MODE MENU.**

3 **Press ⊙ ⊙ to select the SETUP tab, then press ⊘.**

4 **Press ⊙ ⊙ to select ▣, then press ⊘.**

5 **Press ⊙ ⊙ to select 4, 9 or 16, then press ⊜.**
   The number of pictures in the index display is set.
   To close the menu, press ⊜ again.

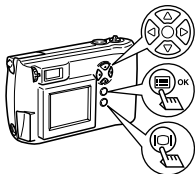## Slideshow

This function automatically displays pictures one after another, as if you are watching a slideshow. It is useful when you want to view the pictures you have taken in order.

1 Display the top menu in the playback mode.

- Press ⓞ with the lens barrier closed.
- Press 🗐.

2 Press ⬙ to select 🖃 and the slideshow starts.

Each picture is displayed for 3 seconds, then the display automatically changes to the next picture.

HQ

02.06.10 12:30 16

3 Press 🗐 to cancel the slideshow and return to the playback mode.

Note
- When you display the top menu while showing a movie, MOVIE PLAY will be displayed instead of 🖃 . To run a slideshow, display a still picture first.
- If batteries are used when running a slide-show and the camera is not operated for about 30 minutes, the power will automatically turn off.

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Playback

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Playing back pictures on a TV

You can play back pictures on a TV screen with the Video cable provided.

1 **Make sure that the camera and the TV are turned off, then connect the Video cable to the VIDEO OUT jack on the camera and to the video input terminal on the TV.**

VIDEO OUT

2 **Turn the TV on and switch to the video input.**
For details of switching to video input, refer to your TV's instruction manual.

3 **Press ⊚.**

The camera turns on in the playback mode, and the last picture taken is displayed on the TV screen.

You can select the pictures you want to see using the arrow pad.

The close-up playback, index display and slideshow functions can also be used on a TV screen.
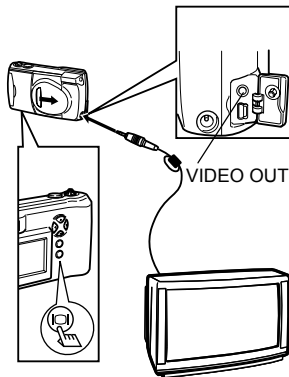
Note	• The camera's monitor turns off automatically when the Video cable is connected to the camera.
	• You are recommended to use the optional AC adapter when using the camera with a TV.
	• The picture may appear off-center on the TV screen. This is due to the TV's adjustment settings. This is not a camera malfunction.

⚠ Caution	• Be sure to use the Video cable provided to connect the camera to the TV.
	• Video signal is either NTSC or PAL compatible depending on the standard in the intended area of distribution.

5

Playback

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Rotating pictures

Pictures taken with the camera held vertically are displayed horizontally. In this case, you can use this function to display the picture vertically. You can turn the selected picture 90 degrees clockwise or counterclockwise.
Once a picture has been rotated, it will be displayed that way every time it is played back.

1 **Press ⊙ with the lens barrier closed.**
The monitor turns on.

2 **Press ◁ ▷ to select the picture you want to rotate.**

3 **Press ▤, then press ▷.**
The mode menu is displayed.

4 **Press △ ▽ to select the PLAY tab, then press ▷.**
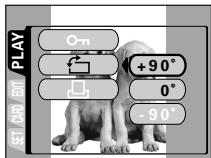
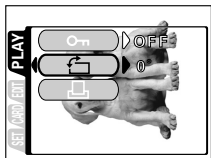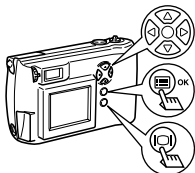*5* **Press △ ▽ to select ⬆, then press ▷.**

6 **Press △ ▽ to select +90° or -90°.**
The picture is rotated, and displayed vertically.
To close the menu, press ▤ twice.
+90° : clockwise
- 90° : counterclockwise
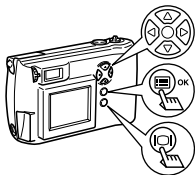
⚠️ Caution

• You cannot rotate movies, protected pictures or pictures that have been edited on a PC.
• You cannot rotate pictures stored on a card with a write-protect seal.

5

Playback

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Playing back movies

▪▪▪▪▪▪

1 **Press ⓒ with the lens barrier closed.**
The monitor turns on.

2 **Press ⟨ ⟩ to display the desired picture with the 🎬 indicator, then press ⓔ.**
The top menu is displayed.

3 **Press ⟨△⟩ to select MOVIE PLAY.**

4 **Press ⟨△⟩ ⟨▽⟩ to select MOVIE PLAYBACK, then press ⓔ.**
The movie is played back after the orange lamp on the right of the viewfinder blinks and the camera accesses the movie data. When the movie reaches the end, the display automatically returns to the beginning of the movie.

----

5 Press ⓔ.

The MOVIE PLAYBACK menu is displayed.

PLAYBACK : Plays back the entire movie again.

FRAME BY FRAME : Plays back the movie manually one frame at a time.

EXIT : Leaves the movie playback mode.

```
MOVIE PLAYBACK

    PLAYBACK

  FRAME BY FRAME

      EXIT

SELECT ◆ 🔁      GO ◆ OK
```

6 Press ◁▽ ◁▽ to select the desired operation, then press ⓔ.

Operations when FRAME BY FRAME is selected

◁▽ : Displays the first frame of the movie.

◁▽ : Displays the last frame of the movie.

◁ : Displays the next frame. The movie can be displayed continuously by holding the button down.

◁ : Displays the previous frame. The movie can be displayed continuously in reverse by holding the button down.

ⓔ : Displays the MOVIE PLAYBACK menu.

Note

To play back another movie, exit the movie playback mode by selecting EXIT on the MOVIE PLAYBACK menu. Then display the desired picture with a 🎥 indicator and select MOVIE PLAY again on the top menu.

5

Playback

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Protecting pictures (Protect)

You are recommended to protect important pictures to avoid accidentally erasing them.
Protected pictures cannot be erased by the single-frame/all-frame erase function.

1 **Press ⊡ with the lens barrier closed.**
   The monitor turns on.

2 **Press ◁ ▷ to select the picture you want to protect.**

3 **Press ⓜ , then press ▷ .**
   The mode menu is displayed.

4 **Press △ ▽ to select the PLAY tab, then press ▷ .**
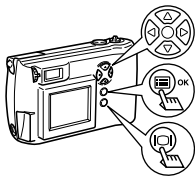
5 **Press △ ▽ to select ⌂ᴛ , then press ▷ .**

6 **Press △ ▽ to select ON, then press ⓜ .**
   The selected picture is protected.
   To close the menu, press ⓜ again.

5

Playback
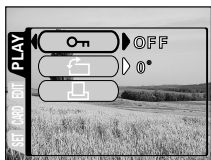
| Note | • The ⟨O⟩ indicator is displayed at the top right of the protected picture. |

02.06.10 12:30 16

• Protection on each picture remains even when the camera is turned off.

| Caution | • Protected pictures cannot be erased by the single-frame/all-frame erase function, but they can be all erased with the format function. |
| | • Protection cannot be applied to pictures stored on a card with a write-protect seal. |

Erasing pictures

▪▪▪▪▪▪

This function enables you to erase recorded pictures. This can be done either one frame at a time or to all the pictures on the card at once.

⚠️ Caution

- Erasure is not possible if the picture you want to erase is protected or a write-protect seal is attached to the card. Before erasing, unprotect the picture or remove the write-protect seal from the card.
- Once erased, pictures cannot be restored. Check each picture before erasing to avoid accidentally erasing pictures you want to keep. "Protecting pictures (Protect)" (☞ p.92)

Single-frame erase

1 **Press ⓞ with the lens barrier closed.**
The monitor turns on.

2 **Press ⬠ ⬡ ◁ ▷ to select the picture you want to erase.**
"Playing back still pictures" (☞ p.83)
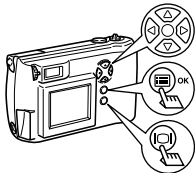
3 **Press ⓔ.**
The top menu is displayed.

4 **Press ⬡ to select 🗑 ERASE.**

5 **Press ⬠ ⬡ to select YES, then press ⓔ.**
The picture is erased and the menu is closed.

All-frame erase

1 **Display the top menu in the playback mode.**
- Press 🔘 with the lens barrier closed.
- Press 🗐.

2 **Press ⊙ to select MODE MENU.**

3 **Press △ ▽ to select the CARD tab, then press ⊙ .**

4 **Press ⊙ .**

5 **Press △ ▽ to select 🗑 ALL ERASE, then press 🗐 .**

6 **Press △ to select YES, then press 🗐 .**
All the pictures are erased.

5

Playback

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Editing still pictures

▬▬▬▬▬
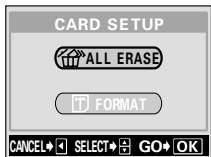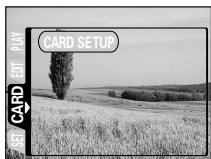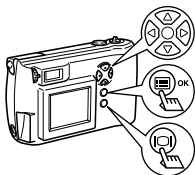
Creating black and white pictures

This function enables you to turn the selected picture into a black and white picture.

1   **Press ⊙ with the lens barrier closed.**
    The monitor turns on.

2   **Press ◁ ▷ to select the picture you want to turn into a black and white picture.**
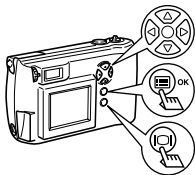
3   **Press ⊜ , then press ▷ .**
    The mode menu is displayed.

4   **Press △ ▽ to select the EDIT tab, then press ▷ .**

5   **Press △ ▽ to select BLACK & WHITE, then press ▷ .**

6   **Press △ ▽ to select BLACK & WHITE, then press ⊜ .**
    A bar is displayed showing the progress of creating the picture, then the camera returns to the playback mode. The black and white picture is stored as a separate picture from the original.

    To cancel editing mode, select CANCEL and press ⊜ .

⚠ Caution
- You cannot create black and white movies.
- You cannot create black and white pictures from pictures stored on a card with a write-protect seal.
- You cannot create a black and white picture if there is insufficient memory space on the card.

5

Playback

Creating sepia-toned pictures

This function enables you to turn the selected picture into sepia tones.

1 **Press ⊙ with the lens barrier closed.**
The monitor turns on.

2 **Press ◁ ▷ to select the picture you want to turn into a sepia-toned picture.**

3 **Press ⊜, then press ▷.**
The mode menu is displayed.

4 **Press △ ▽ to select the EDIT tab, then press ▷.**

5 **Press △ ▽ to select SEPIA, then press ▷.**

6 **Press △ ▽ to select SEPIA, then press ⊜.**
A bar is displayed showing the progress of creating the picture, then the camera returns to the playback mode. The sepia-toned picture is stored as a separate picture from the original.

To cancel editing mode, select CANCEL and press ⊜.
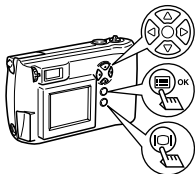
> ⚠ Caution
>
> • You cannot create sepia-toned movies.
> • You cannot create sepia-toned pictures from pictures stored on a card with a write-protect seal.
> • You cannot create a sepia-toned picture if there is insufficient memory space on the card.

5

Playback

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Resizing pictures

This function enables you to change the file size of the selected picture to 640 × 480 or 320 × 240 and store it separately as a new picture. Use this function when you want to reduce the volume of image data, such as when attaching a picture to e-mail.

1 **Press ⊙ with the lens barrier closed.**
    The monitor turns on.

2 **Press ◁ ▷ to select the picture you want to resize.**

3 **Press ⊜, then press ▷.**
    The mode menu is displayed.

4 **Press △ ▽ to select the EDIT tab, then press ▷.**

5 **Press △ ▽ to select ⛶, then press ▷.**

6 **Press △ ▽ to select one of the following sizes, 640 × 480 or 320 × 240, then press ⊜.**
    A bar is displayed showing the progress of resizing, then the camera returns to the playback mode.
    The resized picture is stored as a separate picture from the original.
    To cancel editing mode, select CANCEL and press ⊜.

BLACK & WHITE
SEPIA

640×480
320×240
CANCEL
EXIT→◁ SELECT→ GO→OK
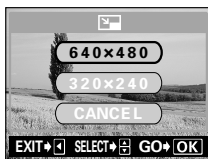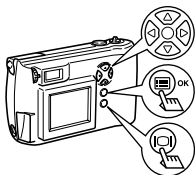
⚠️ Caution

- You cannot resize movies or images that have been edited on a PC.
- If the size of the selected picture is 640 × 480 or smaller, you cannot select 640 × 480 on the menu.
- If the size of the selected picture is 320 × 240, you cannot select 🖳 on the menu.
- You cannot resize pictures stored on a card with a write-protect seal.
- You cannot resize pictures if there is insufficient memory space on the card.

Trimming pictures

This function enables you to enlarge part of a recorded picture and store it in a separate file.

1 **Press ⊙ with the lens barrier closed.**
The monitor turns on.

2 **Press ◁ ▷ to select the picture you want to trim.**

3 **Press ⊜ , then press ▷ .**
The mode menu is displayed.

4 **Press △ ▽ to select the EDIT tab, then press ▷ .**

5 **Press △ ▽ to select ⊏ , then press ▷ .**

5

Playback

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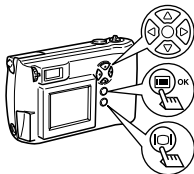
6 **Press ◌ ◌ to select ☐ , then press ◉ .**
The screen for selecting the size of the area you want to trim is displayed.
To cancel trimming, select CANCEL and press ◉ .

7 **Use the arrow pad and the zoom lever to decide the position and size of the area you want to trim.**
Press ◌ ◌ ◁ ▷ to decide the position, and push the zoom lever toward W or T to determine the size.

8 **Press ◉ .**
The trimmed area is displayed for 1 second.

----

9 **Press to select OK, then press .**

A bar is displayed showing the progress of trimming, then the camera returns to the playback mode.

The trimmed picture is stored as a separate picture from the original.
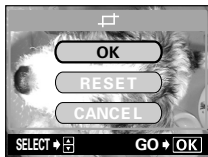
If you want to perform trimming again, select RESET and press and repeat the procedure from Step 7.

To cancel the trimming function, select CANCEL and press .

> **Caution**
> • You cannot trim movies.
> • You cannot trim pictures stored on a card with a write-protect seal.
> • You cannot trim a picture if there is insufficient memory space on the card.
> • You can trim a picture to half of its original size.

5

Playback

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Editing movies

■■■■■■

Creating an index

9 frames extracted from the movie are displayed as an index to show the movie at a glance. Indexes can be stored on the card as still pictures.

1 **Press ⊡ with the lens barrier closed.**
The monitor turns on.

2 **Press ◁ ▷ to display the desired picture with the ♀ indicator, then press ▤.**
The top menu is displayed.
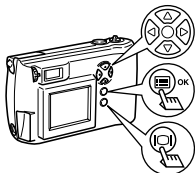
3 **Press △ to select MOVIE PLAY.**

4 **Press △ ▽ to select INDEX, then press ▤.**

5 **Select the first frame of the index.**
Press △ ▽ ◁ ▷ to play back the movie until the picture that you want to be the first frame is displayed in the green frame, then press ▤.

5

Playback

----

6 **Select the last frame of the index.**
As in Step 5, press ⟨△⟩ ⟨▽⟩ ⟨◁⟩ ⟨▷⟩ to play back the movie until the picture that you want to be the last frame is displayed in the green frame, then press ⬛ₒₖ .

7 **Press ⟨△⟩ ⟨▽⟩ to select OK, then press ⬛ₒₖ .**
The 9 frames extracted from the movie appear as an index display, then the camera returns to the playback mode. The index is stored as a new picture.
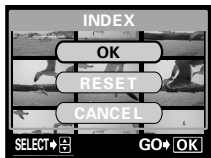
If you want to select the frames again, select RESET and press ⬛ₒₖ and repeat the procedure from Step 5.
To cancel the index function, select CANCEL and press ⬛ₒₖ .

Note

The index is stored as a still picture in a different record mode from the original movie.

Record mode when the movie is shot	Record mode when stored as an index
HQ	SQ1 (1024 × 768 pixels)
SQ	SQ2 (640 × 480 pixels)

Caution

- The interval between the frames that are automatically picked out varies depending on the recording time of the movie.
- An index consists of 9 frames.
- You cannot create an index of a movie stored on a card with a write-protect seal.
- You cannot create an index if there is insufficient memory space on the card.

5

Playback

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Editing movies

This function enables you to edit a movie by erasing frames from the beginning and end of the movie that you do not want.

1 **Press ⊙ with the lens barrier closed.**
The monitor turns on.

2 **Press ◁ ▷ to display the desired movie with the 🎞 indicator, then press 🗐.**
The top menu is displayed.
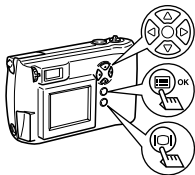
3 **Press △ to select MOVIE PLAY.**

4 **Press △ ▽ to select EDIT, then press 🗐.**

5 **Select the first frame of the part you want to keep.**
Press ◁ ▷ to play back the movie, and when the frame that you want to be the first frame is displayed, press 🗐.

5

Playback

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6 **Select the last frame of the part you want to keep.**

As in Step 5, press ◁ ▷ to play back the movie, and when the frame that you want as the last frame is displayed, press ⬛.

7 **Press ▽ △ to select OK, then press ⬛.**

If you want to select the frames again, select RESET and press ⬛ and repeat the procedure from Step 5.

To cancel the EDIT function, select CANCEL and press ⬛.

8 **Press ▽ △ to select NEW FILE or OVERWRITE, then press ⬛.**

NEW FILE : Stores the edited movie as a new movie with a different name.

OVERWRITE : Stores the edited movie with the same name as the original. The original movie is not stored.

The edited movie is stored and the screen returns to the playback mode.

⚠ Caution
- You cannot edit movies with sound which taken by other digital cameras.
- You cannot edit movies stored on a card with a write-protect seal.
- You cannot select NEW FILE if there is insufficient memory space on the card.

5

Playback

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Chapter 6 Useful functions

Turning the beep sound off (Beep sound)

You can turn the volume of the beep sound which is generated during certain camera operations or generated as a warning to OFF.

1 **Display the top menu in the shooting mode.**
   • Open the lens barrier fully.
   • Press 🗐.
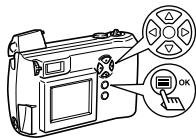
2 **Press ◑ to select MODE MENU.**

3 **Press ◁ ▽ to select the SETUP tab, then press ◑.**

4 **Press ◁ ▽ to select ■)) , then press ◑.**

5 **Press ◁ ▽ to select OFF, then press 🗐.**
   To close the menu, press 🗐 again.

6

Useful functions
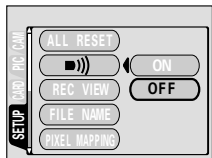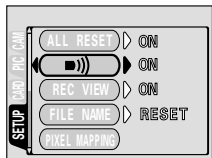
> Note
> • The beep sound setting remains even when the lens barrier is closed or All Reset is set to OFF.
> • The beep sound can also be turned off from the playback mode.

Formatting (Card setup)

████████

This function lets you format a card. Formatting prepares cards to receive data. Before using non-Olympus cards or cards which have been formatted on a PC, you must format them with this camera.

⚠ Caution
All existing data, including protected data, is erased when the card is formatted. Once erased, pictures cannot be restored, so make sure that you do not erase important image data. Download important image data to a PC before formatting the card.

1 Display the top menu in the shooting mode.

- Open the lens barrier fully.
- Press 🗐.
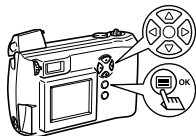
2 Press ◊ to select MODE MENU.

3 Press △ ▽ to select the CARD tab, then press ◊.

4 Press ◊.

5 Press △ ▽ to select YES, then press 🗐.

Formatting is executed.

⊺ FORMAT

⚠ CAUTION ERASING ALL

YES

NO

SELECT◆ ⊞   GO◆ OK

6

Useful functions

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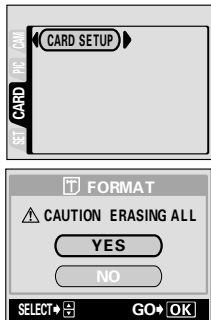
Note	Formatting can also be performed from the playback mode.

⚠ Caution	• Never open the card cover or remove the batteries during formatting as this may cause malfunction of the card.
	• Never connect or disconnect the AC adapter during formatting as this may cause malfunction of the card.
	• Cards with a write-protect seal cannot be formatted. Remove the seal before formatting the card. Do not reuse the removed seal.

Viewing a picture immediately after shooting (Rec View)

You can view the picture you have just taken on the monitor for 3 seconds while it is being recorded.

Rec View settings

ON : The picture being recorded is displayed on the monitor. This is useful for a brief check of the picture you have just taken. Pressing the shutter button halfway during Rec View lets you resume shooting immediately.

OFF : The picture just taken is not displayed. This is useful when you want to prepare for your next shot while the previous picture is being recorded.

1 Display the top menu in the shooting mode.

- Open the lens barrier fully.
- Press 🗐.
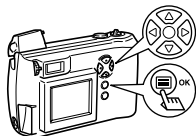
2 Press ◊ to select MODE MENU.

3 Press △ ▽ to select the SETUP tab, then press ◊.

4 Press △ ▽ to select REC VIEW, then press ◊.

5 Press △ ▽ to select ON, then press 🗐.

Rec View is set.

To close the menu, press 🗐 again.

Note
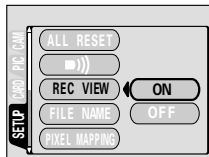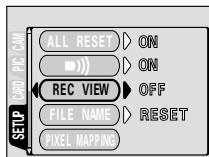
- The Rec View setting remains even when the lens barrier is closed.
- During sequential shooting, Rec View is disabled.

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Saving the settings (All Reset)

This function lets you choose whether or not the camera saves its current settings when the power is turned off. For the settings that can be saved, see "Functions that All Reset affects" (☞ p.111).

All Reset settings

ON : All settings are returned to the factory default settings when the power is turned off.

OFF : The settings made before the power is turned off are saved.

1 Display the top menu in the shooting mode.
- Open the lens barrier fully.
- Press ⬛ₒₖ .
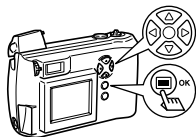
2 Press ◌ to select MODE MENU.

3 Press ◌ ◌ to select the SETUP tab, then press ◌ .
The SETUP menu is displayed.

4 Press ◌ ◌ to select ALL RESET, then press ◌ .

5 Press ◌ ◌ to select OFF, then press ⬛ₒₖ .
To close the menu, press ⬛ₒₖ again.

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Useful functions
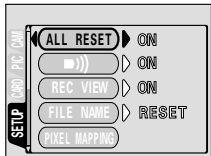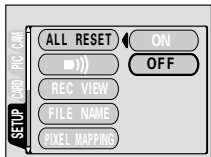
Note
- The settings in the SETUP menu remain even when the power is turned off.
- All Reset can also be set from the playback mode.

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Functions that All Reset affects

Function	Factory default setting	Ref. Page
Monitor	OFF	p.21
Shooting mode	**P** (PROGRAM AUTO)	p.37
DRIVE	☐ (for still pictures)	p.62
DIGITAL ZOOM	OFF (1×)	p.52
FLASH	AUTO	p.54
⊞	±0	p.75
ESP/ •	ESP	p.61
WB	AUTO	p.77
◀⋮	HQ (1984 × 1488 pixels)	p.68
AF	AF	p.45, 57
ISO	AUTO	p.73
Ⓢ	NORMAL	p.79
Ⓒ	NORMAL	p.81

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Useful functions

Displaying shooting information

This function lets you display detailed shooting information on the monitor for 3 seconds in the playback mode. For details of the information that can be displayed, see "Monitor indications" ($\mathbb{R}$ p.10).

1 Display the top menu in the playback mode.

- Press $\textcircled{\raisebox{-0.5pt}{$\square$}}$ with the lens barrier closed.
- Press $\textcircled{\raisebox{-0.5pt}{$\equiv$}}_{\text{ok}}$.
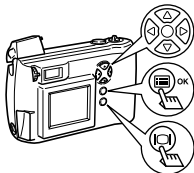
2 Pressing $\textcircled{\triangleleft}$ displays the full amount of shooting information on the monitor (ON).

To turn INFO off, press $\textcircled{\raisebox{-0.5pt}{$\equiv$}}_{\text{ok}}$ to bring up the top menu and press $\textcircled{\triangleleft}$.

When INFO is OFF

When INFO is ON

6

Useful functions

Note
- $\boxed{\text{O}_{\neg}}$, $\overset{\infty}{\mathbb{Q}}$ and $\underline{\Box}$ are displayed regardless of whether INFO is set to ON or OFF.
- The file number when using a printing service other than DPOF is displayed when INFO is set to ON. "How to print pictures" ($\mathbb{R}$ p.117)

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Adjusting the monitor brightness

You can adjust the brightness of the monitor according to the surrounding conditions to make it easier to see.

1 Display the top menu in the shooting mode.
- Open the lens barrier fully.
- Press ⓔ .
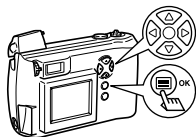
2 Press ◌ to select MODE MENU.

3 Press △ ▽ to select the SETUP tab, then press ◌ .

4 Press △ ▽ to select ▯ , then press ◌ .
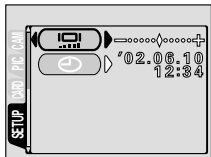
5 Press △ ▽ to adjust the brightness while observing the monitor.
Pressing △ brightens the monitor, and pressing ▽ darkens it.

6 Press ⓔ .
The monitor brightness is set.
To close the menu, press ⓔ again.

Note
- The monitor brightness setting remains even when the lens barrier is closed.
- The monitor brightness can also be adjusted from the playback mode.

6

Useful functions

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File name

━━━━━━

The camera automatically creates file names and folder names for images to be stored in. Files can be numbered from 0001 to 9999 and folders can be numbered from 100 to 999. Examples are shown below.
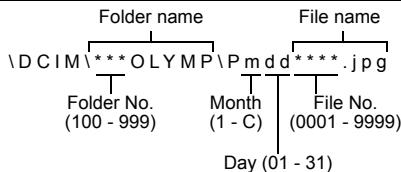
```
                Folder name          File name
  \ D C I M \ * * * O L Y M P \ P m d d * * * * . j p g
              Folder No.     Month       File No.
              (100 - 999)    (1 - C)     (0001 - 9999)
                                Day (01 - 31)

 * Month: Jan. - Sep. = 1 - 9, Oct.= A, Nov.= B, Dec.= C
```

There are two settings from which you can choose: RESET or AUTO. Choose the one that is best for you when transferring images to a PC.

File name settings

RESET : The file number and folder number are reset every time a new card is inserted in the camera. The folder number returns to No. 100 and the file number returns to No. 0001. This method is useful when grouping files on separate cards.

AUTO : Even if a new card is inserted, the folder number and file number are retained from the previous card, so the same file number is not used on different cards. This helps you to manage multiple cards. This method is useful when you want to manage all your files with sequential numbers.

1 Display the top menu in the shooting mode.

- Open the lens barrier fully.
- Press ▤.

2 Press ◁ to select MODE MENU.

- -

3   **Press ⬆ ⬇ to select the SETUP tab, then press ◁.**

ALL RESET	ON
■)))	ON
REC VIEW	ON
FILE NAME	RESET
PIXEL MAPPING	
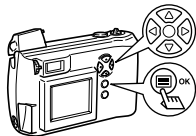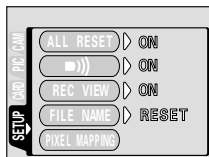
4   **Press ⬆ ⬇ to select FILE NAME, then press ◁.**

ALL RESET	ON
■)))	ON
REC VIEW	ON
FILE NAME	RESET
PIXEL MAPPING	

5   **Press ⬆ ⬇ to select RESET or AUTO, then press ▣.**
To close the menu, press ▣ again.

ALL RESET	
■)))	
REC VIEW	
FILE NAME	RESET
PIXEL MAPPING	AUTO

Note
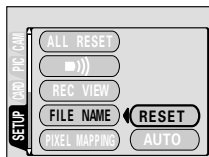
The file name setting remains even when the lens barrier is closed.

6

Useful functions

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Pixel mapping

The Pixel Mapping feature allows the camera to check and adjust the CCD and image processing circuit automatically.
It is not necessary to operate this function frequently. Approximately once a year is recommended. Wait a few minutes after the monitor is used or continuous shots are taken to allow for proper performance of the Pixel Mapping function.

1 Display the top menu in the shooting mode.
- Open the lens barrier fully.
- Press 🗏.

2 Press ◁ to select MODE MENU.

3 Press △▽ to select the SETUP tab, then press ◁.

ALL RESET	ON
)))	ON
REC VIEW	ON
FILE NAME	RESET
PIXEL MAPPING	
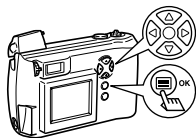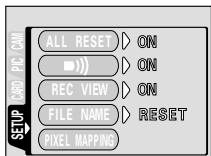
4 Press △▽ to select PIXEL MAPPING, then press ◁.

5 Press 🗏.
A bar is displayed showing the progress of pixel mapping. When pixel mapping is finished, the camera returns to the mode menu.

ALL RESET	
)))	
REC VIEW	
FILE NAME	
PIXEL MAPPING	START
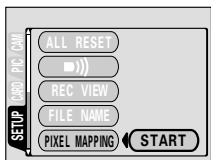
⚠ Caution
- If you accidentally turn the camera off during pixel mapping, start again from Step 1.
- Do not remove the batteries or disconnect the AC adapter while pixel mapping is in progress as this may cause a malfunction.

Chapter 7 Print settings

How to print pictures

Several different printing options are available when you want to print out pictures.

Printing at a photo lab that supports DPOF or printing on a DPOF-compatible printer

Print reservation allows you to save printing data (number of prints, date, etc.) with the pictures stored on the card.

What is DPOF?
DPOF is short for Digital Print Order Format. DPOF is the format used to record automatic print information from cameras.

By storing the print reservation data on the card, the pictures can be printed easily by a DPOF-compatible photo lab or on a personal DPOF-compatible printer.

Printing on an Olympus CAMEDIA P-400, P-330N(E) or P-200 digital printer

If you insert a card containing the print reservation data into the printer, printing is possible without using a PC. For more details, refer to the printer's instruction manual.

Transferring pictures to a PC and printing them from a printer connected to the PC

If you have installed software for displaying JPEG pictures on your PC (internet browser, Paint Shop Pro, Photoshop, etc.), you can print out pictures on a printer connected to the PC. (Printing is also possible using CAMEDIA Master software.) Check your software before printing. For details, refer to the application software's instructions.

⚠️ Caution

- DPOF reservations set by another device cannot be changed by this camera. Make changes using the original device.
- If a card contains DPOF reservations set by another device, entering reservations using this camera may overwrite the previous reservations.
- This camera cannot be directly connected to printers such as the Olympus P-300 digital printer.
- Not all functions may be available on all printers or at all photo labs.
- If you are printing using the P-330N (E), only the first 999 pictures can be printed.
- Print reservation may take considerable time when saving printing data to a card.

All-frame reservation

Use this feature to print all the pictures stored on the card. You can specify the desired number of prints and whether or not the date and time are to be printed.

1 Display the top menu in the playback mode.
- Press 🔘 with the lens barrier closed.
- Press 🗐 .
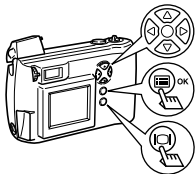
2 Press ⓑ to select MODE MENU.

3 Press ◁▷ to select the PLAY tab, then press ⓑ .

4 Press ◁▷ to select 🖵 , then press ⓑ .
If print reservation data is already stored on the card, the 🖵 PRINT ORDER SETTING screen appears, giving you the choice of resetting the data or keeping it. "Resetting the print reservation data" (☞ p.126)

5 Press ◁▷ to select 🖵ALL (all-frame reservation), then press 🗐 .
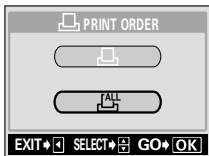
6 Press ◁▷ to select 🖵 × (number of prints) or ⊙ (date/time), then press ⓑ .

<div style="text-align: right">

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</div>

----
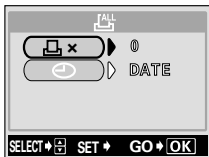
7 **Perform each setting.**

Set the number of prints

Press ⬆ ⬇ to set the desired number of prints, then press ⬛ₒₖ .
If you want to continue to set the date/time printing data, press ◁ to return to Step 6.

⬆ : Increases the number.
⬇ : Decreases the number.

Set the date/time printing data

Press ⬆ ⬇ to select NO, DATE or TIME, then press ⬛ₒₖ .

NO   : The pictures are printed without the date and time.
DATE : All the pictures are printed with the shooting date.
TIME : All the pictures are printed with the shooting time.
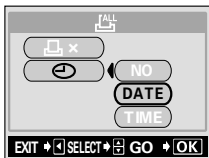
After completing all the print reservations, press ⬛ₒₖ to return to the playback mode menu.

Single-frame reservation

Use this feature to print only selected pictures. Display the frame to be printed and select the desired number of prints.

1 Display the top menu in the playback mode.
- Press ⓞ with the lens barrier closed.
- Press ▤.
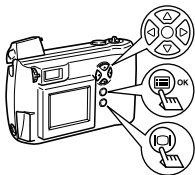
2 Press ⓞ to select MODE MENU.

3 Press △ ▽ to select the PLAY tab, then press ⓞ.

4 Press △ ▽ to select ▱, then press ⓞ.
If print reservation data is already stored on the card, the ▱ PRINT ORDER SETTING screen appears, giving you the choice of resetting the data or keeping it. "Resetting the print reservation data" (☞ p.126)
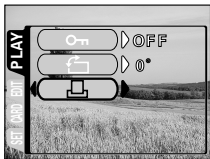
5 Press △ ▽ to select ▱ (single-frame reservation), then press ▤.

6 Press ◁ ▷ to display the frame you want to print, then press ▤.
You can use the index display feature to select the frames. "Index display" (☞ p.85)

----
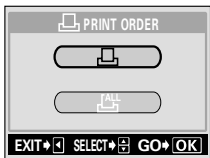
7 **Press** ⬠ ⬠ ⬠ ⬠ **to select the appropriate item.**

MORE : Sets the number of prints, date/time and trim size. → Go to Step 8.

SINGLE PRINT : Sets single-frame print. The date/time and trim settings are not available. → Go to Step 10.

CANCEL : Cancels the print reservation. → Go to Step 10.

END : Completes the print reservation. → Go to Step 11.

8 **Press** ⬠ ⬠ **to select** 凸 × **(number of prints),** ⊙ **(date/time) or** ⊏ **(trimming), then press** ⬠ **.**
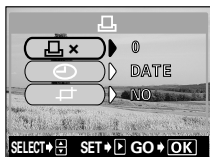
9 **Perform each setting.**

Set the number of prints

Press ⬠ ⬠ **to set the desired number of prints, then press** ▤ **. If you want to continue to set the date/time printing data and/or to trim the pictures, press** ⬠ **to return to Step 8.**

⬠ : Increases the number.
⬠ : Decreases the number.

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Set the date/time printing data

**Press ⬧ ⬧ to select NO, DATE or
TIME, then press ⬤.**

NO : The pictures are printed without the
date and time.
DATE : All the pictures are printed with the
shooting date.
TIME : All the pictures are printed with the
shooting time.
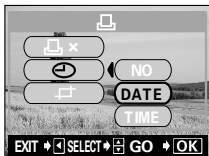
Trimming

"Trimming" (☞ p.124)

After completing all the print reservations, press ◁ to return to the screen
in Step 6.

10 Press ⬤ to display the single-frame reservation menu.

11 Press ◁ to select END.
The 凸 PRINT ORDER screen appears.
Press ◁ again to display the 凸 PRINT
ORDER SETTING screen, then press ◁
once more to return to the playback mode
menu. If no print reservations have been
made, the 凸 PRINT ORDER SETTING
screen will not be displayed.

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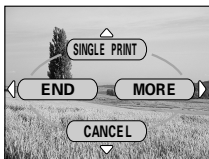
Trimming

This function enables you to crop part of a recorded picture and print out the enlarged section only.

1. **Press ◇ ◇ on the single-frame reservation screen to select ◻ (trimming) and press ⊙.**
   "Single-frame reservation" (☞ p.121)

2. **Press ◇ ◇ to select SETUP, then press 📖.**

   If trimming has already been performed, the ◻ screen appears. Press ◇ ◇ to select RESET, then press 📖.

   OK   : Saves the current trimming
              size and returns to the single-frame reservation screen.
   RESET   : Sets a new trimming size. → Go to Step 3.
   CANCEL   : Cancels the trimming setting and returns to the single-frame reservation screen.

3. **Use the arrow pad and zoom lever to decide the trimming position and size.**
   Press ◇ ◇ ◇ ◇ to select the trimming position, and press the zoom lever toward W or T to decide the trimming size.

----
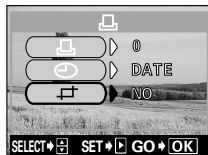
4   **Press ⓔ .**
    The trimmed area is displayed for one second.

5   **Press ◇ ◇ to select OK, then
    press ⓔ .**
    A bar is displayed showing the progress of
    trimming, then the camera returns to the
    single-frame reservation screen.
    If you want to perform trimming again,
    select RESET and press ⓔ and repeat
    the procedure from Step 3.
    To cancel the trimming function, select CANCEL and press ⓔ .

6   **Press ⓔ to complete the print reservation and return to the
    picture selection screen.
    Press ⓔ again.**

7   **Press ◇ to select END.**
    To return to the ┌┴┐ PRINT ORDER
    screen, press ◇ again.
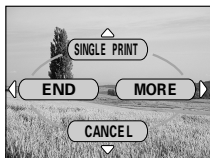
⚠ Caution

- The size of the printed picture varies depending on the printer setting.
  If the trimmed picture size is small, printing magnification increases
  accordingly, resulting in a printed picture with lower resolution.
- For best results with close-up prints, you are recommended to use
  theTIFF, SHQ or HQ mode. "Selecting the image quality and size
  (Record mode)" (☞ p.68)
- The original picture is not trimmed. If your printer does not have the
  DPOF function, the picture will be printed untrimmed.
- Do not rotate pictures that have been trimmed, because the cropped
  area will be changed. "Rotating pictures" (☞ p.89)

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Print settings

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Resetting the print reservation data

This function allows you to reset all the print reservation data for pictures stored on the card.

1 Display the top menu in the playback mode.

- Press ⓒ with the lens barrier closed.
- Press ⓔₒₖ.
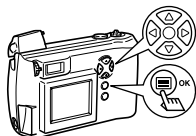
2 Press ⓞ to select MODE MENU.

## 3 Press △ ▽ to select the PLAY tab, then press ⓞ.

4 Press △ ▽ to select 凸, then press ⓞ.

5 Press △ ▽ to select RESET, then press ⓔₒₖ.

If there is no print reservation data stored on the card, the 凸 PRINT ORDER SETTING screen does not appear.

The 凸 PRINT ORDER screen appears. To quit the print reservation, press ◁ to return to the playback mode menu.
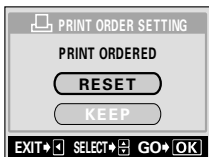
Error codes

Monitor	Possible cause	Corrective action
 ! **NO CARD**	The card is not inserted, or it cannot be recognized.	Insert the card correctly or insert a different card.
 ! **CARD ERROR**	Cannot record, play back or erase pictures on this card.	Wipe the gold contacts with a piece of cleaning paper (commercially available) and insert the card again. If the problem is still not corrected, format the card. If the card cannot be formatted, this card cannot be used.
 ! **WRITE-PROTECT**	Writing to the card is prohibited.	Remove the write-protect seal attached to the card. For more details, refer to the provided instruction manual for the card.
 ! **CARD FULL**	There is no empty space on the card, so no more pictures can be taken.	Replace the card or erase unwanted pictures. Before erasing, download important images to a PC.
	There is no empty space on the card, so it cannot record new information such as print reservation data and other functions.	Replace the card or erase unwanted pictures. Before erasing, download important images to a PC.
   NO PICTURE	There are no pictures on the card.	The card contains no pictures. Record pictures.
 ! **PICTURE ERROR**	The selected picture cannot be played back on this camera.	Use image processing software on a PC to view it. If that cannot be done, the image file is damaged.
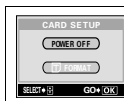
	The card is not formatted.	Format the card.
CARD SETUP POWER OFF ⛀ FORMAT SELECT◆⊞ GO◆OK		

If an operation does not work

The camera does not turn on or function buttons do not respond.		
Possible cause	Corrective action	Ref. Page
The power is off.	Open the lens barrier fully to turn on the camera.	p.21
The batteries are loaded incorrectly.	Reload the batteries correctly.	p.14
The batteries are exhausted.	Replace the batteries with new ones.	p.14
The batteries are temporarily unable to function because of the cold.	The batteries may be too cold. Allow them to return to room temperature, or if outdoors, warm them by putting them in an inner jacket pocket.	–
The camera is in the sleep mode.	Operate the camera (press the shutter button or the zoom lever).	p.21
There is condensation* inside the camera.	Wait until the camera dries before turning it on again.	–
The camera is connected to a PC.	The camera will not operate while it is connected to a PC.	–

*Condensation: When it is cold outside, the water vapor in the air is rapidly cooled and turns to droplets of water.
Condensation occurs when the camera is suddenly taken from a cold place into a warm room.

No picture is taken when the shutter button is pressed.		
Possible cause	Corrective action	Ref. Page
The lens barrier is closed.	Open the lens barrier fully.	p.40
The power is off.	Open the lens barrier fully.	p.21
The flash has not finished charging.	Release your finger from the shutter button. When the orange lamp stops blinking, resume shooting.	p.54
The movie just taken is being written to the card.	Release your finger from the shutter button. When the orange lamp stops blinking, resume shooting.	p.12, 49
The card is full.	Erase unwanted pictures or insert a new card. Before erasing, download important images to a PC.	p.94, 107

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The batteries ran out of power during shooting or while the images were being written to the card. (Only the battery check indicator blinks.)	Replace the batteries with new ones.	p.14
The memory gauge is full.	Wait until there is room in the memory gauge.	p.12
A write-protect seal is attached to the card.	Insert a new card or remove the write-protect seal.	p.18
There is a problem with the card.	Refer to "Error codes".	p.127

The flash does not fire.		
Possible cause	Corrective action	Ref. Page
The flash has not popped up fully.	Be careful not to press the flash down with your finger. Make sure it has popped up fully before taking pictures.	p.54
The flash is set to the flash off mode.	Select a flash mode other than flash off.	p.54
The subject is illuminated.	If you want the flash to fire on a brightly illuminated subject, set the flash to fill-in mode.	p.54
Sequential shooting or movie mode is set.	The flash does not fire in sequential shooting or movie mode. Set ☐ in the DRIVE menu.	p.49, 62
Panorama mode is set.	The flash does not fire in panorama mode. Cancel the panorama mode.	p.64

The monitor is not clear.		
Possible cause	Corrective action	Ref. Page
The brightness is not adjusted properly.	Select 🖵 in the mode menu and then adjust the brightness.	p.113
The monitor is exposed to direct sunlight.	Block the sunlight with your hand.	–

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Pictures you have already taken do not appear on the monitor.		
Possible cause	Corrective action	Ref. Page
The power is off.	Close the lens barrier, then press ⓞ to turn the monitor on.	p.22, 83
The camera is in the shooting mode.	Press ⓞ quickly twice, or close the lens barrier and then press ⓞ to switch to the playback mode.	p.83
There are no pictures on the card.	NO PICTURE appears on the monitor. Record pictures.	–
There is a problem with the card.	Refer to the "Error codes".	p.127
The camera is connected to a TV.	The monitor does not function when the Video cable is connected to the camera.	p.88

The date/time recorded with the image data is wrong.		
Possible cause	Corrective action	Ref. Page
The date/time is not set.	Set the date/time. The clock adjustment is not factory-preset.	p.24
The batteries are exhausted.	When the batteries run out, the date/time setting is canceled. Replace the batteries with new ones and set the date/time again.	p.14, 24
The camera has been left with the batteries removed.	If the camera is left for several hours with the batteries removed, the date/time setting is canceled. Set the date/time again.	p.14, 24

Erasure, protection, print reservation and card formatting cannot be performed.		
Possible cause	Corrective action	Ref. Page
A write-protect seal is attached to the card.	Remove the seal before using the card. Do not reuse the write-protect seal.	p.18

The settings performed are returned to the factory default settings.		
Possible cause	Corrective action	Ref. Page
All Reset was set to ON.	Set All Reset in the mode menu to OFF.	p.110

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If the image quality is poor

The picture is too bright.		
Possible cause	Corrective action	Ref. Page
The flash was set to the fill-in flash mode.	Select a flash mode other than fill-in flash.	p.54
The subject was excessively illuminated.	Adjust the exposure compensation toward minus (-), or change the camera position toward the subject.	p.75

The picture is too dark.		
Possible cause	Corrective action	Ref. Page
The flash was blocked by a finger.	Hold the camera correctly, keeping your fingers away from the flash.	p.36
The subject was out of the working range of the flash.	Shoot within the flash working range.	p.54
The flash was set to the flash off mode.	Select a flash mode other than flash off.	p.54
The subject was too small and was backlit.	Set the flash to fill-in mode, or use the spot metering mode.	p.54, 61
The sequential shooting or AF sequential shooting mode was used.	Higher shutter speeds are used when the sequential shooting or AF sequential shooting mode is selected which may result in pictures that are darker than usual. Select ☐ in the DRIVE menu.	p.62

The colors of pictures taken indoors look unnatural.		
Possible cause	Corrective action	Ref. Page
Indoor lighting can affect the picture's colors.	Set the white balance according to the lighting.	p.77
There is no white in the subject.	Try to include something white in the picture, or shoot using the fill-in flash mode.	p.54
The white balance setting is wrong.	Adjust the white balance to the light source.	p.77

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The picture has obscured edge(s).		
Possible cause	Corrective action	Ref. Page
The lens was partly blocked by a finger or the strap.	Hold the camera correctly, keeping your fingers and the strap away from the lens.	p.36
The subject was too close.	Check the actual picture area by using the monitor to take the picture.	p.41
The lens was dirty.	Clean the lens. Remove dust with a commercially available lens blower and wipe gently with a commercially available lens cleaner. If the lens is left dirty, mold may form.	–

The picture is out of focus.		
Possible cause	Corrective action	Ref. Page
The camera moved when the shutter button was pressed.	Hold the camera correctly and press the shutter button gently.	p.36
The subject was too close.	Position the camera more than 0.2 m/0.7 ft from the subject and take the picture.	p.57
The flash was set to the flash off mode in a lighting condition requiring use of the flash.	Camera movement occurs easily with slower shutter speeds. Use a tripod, or hold the camera firmly.	p.59

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List of menus

● **Shooting mode menus** **(PROGRAM AUTO/PORTRAIT/LANDSCAPE - PORTRAIT/LANDSCAPE/NIGHT SCENE/ SELF PORTRAIT)**

Top menu	Tab	Item	Setting	Ref. Page
MODE MENU	CAMERA	DRIVE	☐ / ☐ⱼ / AF☐ⱼ	p.62
		ISO	AUTO/100/200/400	p.73
		DIGITAL ZOOM	ON/OFF	p.52
		PANORAMA*		p.64
		2 IN 1		p.66
	PICTURE	WB	AUTO/ ☼ / ☁ / ☼ / ☶	p.77
		ⓢ	HARD/NORMAL/SOFT	p.79
		ⓒ	HIGH/NORMAL/LOW	p.81
	CARD	CARD SETUP	YES/NO	p.107
	SETUP	ALL RESET	ON/OFF	p.110
		■)))	ON/OFF	p.106
		REC VIEW	ON/OFF	p.109
		FILE NAME	RESET/AUTO	p.114
		PIXEL MAPPING		p.116
		▭		p.113
		⊘		p.24
ESP/ ●			ESP/ ●	p.61
◀▪▪			3:2/SHQ/HQ/SQ/TIFF	p.68
⊬			-2.0/-1.5/-1.0/-0.5/±0/+0.5/ +1.0/+1.5/+2.0	p.75

*PANORAMA cannot be selected in Self-Portrait mode.

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● **Shooting mode menus (MOVIE)**

Top menu	Tab	Item	Setting	Ref. Page
MODE MENU	CAMERA	ISO	AUTO/100/200/400	p.73
		DIGITAL ZOOM	ON/OFF	p.52
	PICTURE	WB	AUTO/ ☀ / ☁ / ☀ / ☲	p.77
	CARD	CARD SETUP	YES/NO	p.107
	SETUP	ALL RESET	ON/OFF	p.110
		■)))	ON/OFF	p.106
		REC VIEW	ON/OFF	p.109
		FILE NAME	RESET/AUTO	p.114
		PIXEL MAPPING		p.116
		🖵		p.113
		⊘		p.24
ESP/ ●			ESP/ ●	p.61
◆			HQ/SQ	p.68
🔺			-2.0/-1.5/-1.0/-0.5/±0/+0.5/ +1.0/+1.5/+2.0	p.75

● **Playback mode menus (Still picture)**

Top menu	Tab	Item	Setting	Ref. Page
MODE MENU	PLAY	🔒	ON/OFF	p.92
		⤴	0°/+90°/-90°	p.89
		🖵	🖵 / 🖵ALL	p.119
	EDIT	BLACK & WHITE	BLACK & WHITE/CANCEL	p.96
		SEPIA	SEPIA/CANCEL	p.97
		▣	640×480/320×240/CANCEL	p.98
		⊏	⊏ /CANCEL	p.99
	CARD	CARD SETUP	🗑 ERASE/ 🕇 FORMAT	p.95,107
	SETUP	ALL RESET	ON/OFF	p.110
		■)))	ON/OFF	p.106
		▓	4/9/16	p.86
		🖳		p.113
		🕓		p.24
🖭				p.87
INFO				p.112
🗑 ERASE			YES/NO	p.94

● **Playback mode menus (Movie)**

Top menu	Tab	Item	Setting	Ref. Page
MODE MENU	PLAY	O—	ON/OFF	p.92
	CARD	CARD SETUP	ERASE/ FORMAT	p.95,107
	SETUP	ALL RESET	ON/OFF	p.110
		■))	ON/OFF	p.106
		▨	4/9/16	p.86
		🖵		p.113
		⌛		p.24
MOVIE PLAY		MOVIE PLAYBACK	PLAYBACK/FRAME BY FRAME/EXIT	p.90
		INDEX	OK/RESET/CANCEL	p.102
		EDIT	OK/RESET/CANCEL	p.104
INFO				p.112
ERASE			YES/NO	p.94

List of factory default settings

● **Shooting mode**

Flash mode	AUTO
AF	AF
Self-timer	OFF
Shooting mode	P PROGRAM AUTO
Zoom	Wide
Monitor	OFF
Metering (ESP/ ▪)	ESP
Record Mode (◀⊷)	HQ
Exposure compensation (⊞)	±0
Sequential shooting (DRIVE)	▭ (Single-frame shooting)
ISO sensitivity	AUTO
Digital zoom	OFF
Panorama shooting	OFF
2 in 1 picture	OFF
White balance (WB)	AUTO
Sharpness (⑤)	NORMAL
Contrast (⑥)	NORMAL
TIFF mode	1984 × 1488
SQ mode	640 × 480 NORMAL

● **Playback mode**

Slideshow playback (⒧)	OFF
Rec View	ON
Print reservation (⎁)	OFF
Information display (INFO)	OFF
Protect (�𝗈ₙ)	OFF
Close-up playback	OFF
Rotation	0°
Index display	9

● **Camera settings**

Beep sound (■ⁿ⁾)	ON
All Reset	ON
File Name	RESET

List of items by shooting mode

Shooting mode / Item	P	�1	�2	▲	☀	👥	🎬
🌷	✓	✓	✓	✓	✓	✓	✓
∞	✓	✓	✓	✓	✓	✓	✓
⚡	✓	✓	✓	✓	✓	✓	✓
⏱	✓	✓	✓	✓	✓	✓	✓
Optical zoom	✓	✓	✓	✓	✓	W (Wide) fixed	✓
Virtual dial	✓	✓	✓	✓	✓	✓	✓
ESP/◉	✓	✓	✓	✓	✓	✓	✓
⬛	✓	✓	✓	✓	✓	✓	✓*1
⚖	✓	✓	✓	✓	✓	✓	✓
⊒ / AF⊒	✓	✓	✓	✓	–	✓	–
ISO	✓	✓	✓	✓	✓	✓	✓
DIGITAL ZOOM	✓	✓	✓	✓	✓	–	✓
PANORAMA	✓	✓	✓	✓	✓	✓*2	–
2 IN 1	✓	✓	✓	✓	✓	✓	–
WB	✓	✓	✓	✓	✓	✓	✓
ⓢ	✓	✓	✓	✓	✓	✓	✓
ⓒ	✓	✓	✓	✓	✓	✓	–
CARD SETUP	✓	✓	✓	✓	✓	✓	✓
ALL RESET	✓	✓	✓	✓	✓	✓	✓
■)))	✓	✓	✓	✓	✓	✓	✓
REC VIEW	✓	✓	✓	✓	✓	✓	✓
FILE NAME	✓	✓	✓	✓	✓	✓	✓
🔅	✓	✓	✓	✓	✓	✓	✓
⊕	✓	✓	✓	✓	✓	✓	✓

✓ : available   – : not available

*1 TIFF, SHQ, 3:2, cannot be selected in Movie mode.
*2 PANORAMA cannot be selected in Self-Portrait mode.

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Specifications

Product type	Digital camera (for shooting and displaying)
Recording system	
Still	Digital recording, TIFF (non-compression), JPEG (in accordance with Design rule for Camera File system (DCF)), Digital Print Order Format (DPOF)
Movie	QuickTime Motion JPEG support
Memory	SmartMedia (4 MB - 128 MB) *All cards except 2 MB and 5 V.
Recording image resolution	1984 × 1488 pixels (TIFF/SHQ/HQ) 1984 × 1312 pixels (TIFF/HIGH/NORMAL) 1600 × 1200 pixels (TIFF/SQ) 1280 × 960 pixels (TIFF/SQ) 1024 × 768 pixels (TIFF/SQ) 640 × 480 pixels (TIFF/SQ)
No. of storable pictures (When a 16 MB card is used)	Approx. 1 frame (TIFF : 1984 × 1488) Approx. 7 frames (SHQ : 1984 × 1488) Approx. 21 frames (HQ : 1984 × 1488) Approx. 32 frames (SQ : 1600 × 1200 NORMAL)
No. of effective pixels	3,000,000 pixels
Image pickup device	1/2.5" CCD solid-state image pickup, 3,340,000 pixels (gross)
Lens	Olympus lens 5.8 - 16.2 mm, f 2.9 - 4.4, 8 elements in 6 groups (equivalent to 36 mm to 100 mm lens on 35 mm camera)
Photometric system	Digital ESP metering, Spot metering
Aperture	W : f 2.9, 5.6 T : f 4.4, 8.6
Shutter speed	1/2 to 1/1000 sec. (Night scene mode: 2 sec.)
Shooting range	0.8 m to ∞ (2.6 ft to ∞) (normal) 0.2 m to 0.8 m (0.7 ft to 2.6 ft) (macro mode)
Viewfinder	Optical real image viewfinder (with AF target mark)
Monitor	1.8" TFT color LCD display, 61,000 pixels
Flash charging time	Approx. 9 sec.

Outer connector	DC-IN jack, USB connector (mini - B), VIDEO OUT jack
Automatic calendar system	Up to 2099
Operating environment	
Temperature	0°C to 40°C (32°F to 104°F) (operation) -20°C to 60°C (-4°F to 140°F) (storage)
Humidity	30% to 90% (operation) 10% to 90% (storage)

Power supply	Four AA (R6) alkaline batteries, lithium batteries, NiMH batteries or NiCd batteries
	 Or two lithium CR-V3 battery packs
	 Or AC adapter (optional)
	   Manganese (zinc-carbon) batteries cannot be
	   used.

Dimensions	117.5 mm (W) × 66.0 mm (H) × 49.5 mm (D) (4.6" × 2.6" × 2.0") (excluding protrusions)
Weight	240 g (0.5 lb) (without batteries or card)

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT ANY NOTICE OR OBLIGATION ON THE PART OF THE MANUFACTURER.

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http://www.olympus.com/

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(Monday to Friday) ET
E-Mail: distec@olympus.com
Olympus software updates can be obtained at: http://olympus.com/digital/

Adobe [Photoshop] Support
Adobe software updates and technical information can be obtained at:
http://www.adobe.com/support/

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VT365602

OLYMPUS

CAMEDIA

DIGITAL CAMERA ⌇ **PERSONAL COMPUTER**

DIGITAL CAMERA — PC CONNECTION
OPERATION MANUAL

How to use your PC to get the most from images taken with your digital camera.

- **Thank you for purchasing an Olympus digital camera.**
- **This manual provides instructions on how to install the USB driver. To ensure correct installation, refer only to these installation procedures.**

Introduction

This manual explains in detail how to connect your Olympus digital camera to a computer. Read it carefully and keep it in a safe place for future reference.

About this manual

- The information contained in this manual may be subject to change without notice. For the latest information on the product, please consult your local Olympus representative.
- The information contained in this manual has been compiled by taking all possible measures to ensure its accuracy. However, if you find any errors or incomplete information, please contact your local Olympus representative.
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- The PC screens shown in this manual may differ slightly from the actual displays on some PC models.

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Flowchart

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By connecting the camera to a computer with the provided USB cable, images on a card can be transferred to the computer. Some OS's (operating systems) may need a special setup before connecting to the camera for the first time. Follow the chart below.

```
┌─────────────────────────────────────────────────────────────┐
│              Identifying the OS (p.6)                        │
└─────────────────────────────────────────────────────────────┘
        ↓                    ↓                    ↓
┌──────────────┐  ┌──────────────────┐  ┌──────────────────────┐
│ Windows 98/  │  │ Windows Me/2000/XP│  │ MacOS 9.0 - 9.1/OS X │
│ 98 SE        │  │                  │  │ (10.0)               │
│ (Second      │  │                  │  │ * For OS 8.6, see    │
│ Edition)     │  │                  │  │ below.               │
└──────────────┘  └──────────────────┘  └──────────────────────┘
        ↓
┌──────────────┐
│ Installing   │
│ the USB      │
│ driver for   │
│ Windows      │
│ 98 (p.9)     │
└──────────────┘
        ↓                    ↓                    ↓
┌─────────────────────────────────────────────────────────────┐
│ Connecting the camera to the computer using the provided     │
│ USB cable (Windows p.11,  Mac p.24)                          │
└─────────────────────────────────────────────────────────────┘
        ↓                    ↓
┌─────────────────────────────────────────────────────────────┐
│ Confirming the computer recognizes the camera (p.14)         │
└─────────────────────────────────────────────────────────────┘
        ↓
┌─────────────────────────────────────────────────────────────┐
│ Downloading image files (Windows p.17,  Mac p.26)            │
└─────────────────────────────────────────────────────────────┘
        ↓                    ↓                    ↓
┌─────────────────────────────────────────────────────────────┐
│ Disconnecting the USB cable (Windows p.20,  Mac p.30)        │
└─────────────────────────────────────────────────────────────┘
```

* Even if your computer has a USB connector, data transfer may not function correctly if you are using one of the operating systems listed below or if you have an add-on USB connector (extension card, etc.).
● Windows 95/NT 4.0
● Windows 98/98 SE upgrade from Windows 95
● Mac OS 8.6 or lower (except Mac OS 8.6 equipped with USB MASS Storage Support 1.3.5 installed at the factory)
● Data transfer is not guaranteed on a home-built PC system or PCs with no factory installed OS.

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⚠
Caution

• When connecting the camera to the computer, make sure that there is sufficient remaining battery power. When connected (transmitting) to the computer, the camera does not enter the sleep mode nor will the camera's power turn off automatically. Depending on the camera model, when the battery power runs out or the internal temperature rises, the camera may stop operating automatically. This could cause the computer to malfunction, and any image data (file) being transmitted may be lost. Be careful when downloading files for a long period of time. Use the AC adapter (optional) when downloading files.

• If you connect or disconnect the AC adapter when the camera is connected to the computer and is running on battery power, it may result in the loss of image data on the card or cause a malfunction in the computer. Before connecting or disconnecting the AC adapter, disconnect the camera from the computer and make sure that the camera is turned off.

• To avoid computer malfunctions, do not turn off the camera when the camera is connected to a computer.

• If the camera is connected to the computer via a USB hub, operation may not be stable if there are any compatibility problems between the computer and the hub. In such cases, do not use the hub and connect the camera directly to the computer.

Note

• You can view images using: graphics applications that support the JPEG file format (Paint Shop Pro, Photoshop, etc.); Internet browsers (Netscape Communicator, Microsoft Internet Explorer, etc.); CAMEDIA Master software; or other software. For details on using commercial graphics applications, refer to their instruction manuals.

• QuickTime is needed for playing back movies. QuickTime is included on the provided software CD.

• If you want to process images, make sure to download them to your computer first. Depending on the software, image files may be destroyed if the images are processed (rotated, etc.) while they are on the card.

Identifying the OS

Identify the OS on your computer before connecting the camera. How to identify the OS depends on the computer.

● **Windows**

1 Double-click the "My Computer" icon on your desktop.

When the "My computer" icon is not on your desktop, click "Control Panel" from the "Start" menu.
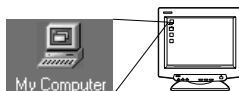
2 Double-click the "Control Panel" icon.

3 Double-click the "System" icon.

| Note | The way the file icons inside the folder appear may vary depending on your version of Windows. If you don't see the icon you are looking for, click on "view all Control Panel options" on the left of the window. |

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4 **A System Properties window will appear. Note and record the "System:" information.**

Confirm that your system is Windows 98, 98 SE, Me, 2000 Professional or Windows XP, then press "OK" to close the window.
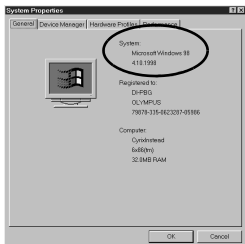
If your OS is Windows 98/98 SE, proceed to "Installing the USB driver for Windows 98" (☞ p.9).
Users running Windows Me/2000/XP ☞ p.11
Users running other OS ☞ p.31

● Mac OS (Macintosh)

Select "About This Computer" from the Apple menu on the menu bar.
A window appears with the name of the computer's OS.
Confirm that the OS is OS 9.0-9.1 or OS X.
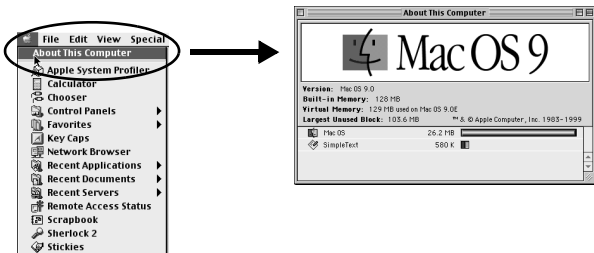
Users running Mac OS 9/X ☞ p.23
Users running other OS ☞ p.31

Windows

Using Windows 98/Me/2000/XP

Make sure that:

- Your computer is turned on and Windows is running.
- If you are running any applications, quit them all.
- You are recommended to power the camera using the optional AC adapter. If the battery power runs out while the computer is accessing the card in the camera, the camera will turn off in the middle of the operation and this could destroy image files (data). If you are using batteries, make sure that there is sufficient remaining battery power.

Windows

Installing the USB driver for Windows 98 (When using Windows 98/98 SE)

If your OS is Windows 98/98 SE, you must install the USB driver. Follow the instructions below to install the USB driver in your computer. Once it is fully installed, you do not need to repeat the procedure again.

If your OS is Windows Me/2000/XP, skip the procedure below as the USB driver will be automatically installed. Proceed to "Connecting the camera to the computer" (☞ p.11).

1 **Insert the provided software CD into your CD-ROM drive.**
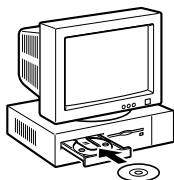
2 **The Olympus Windows Installer should automatically launch. Click "USB driver for Windows 98".**

> CAMEDIA Master 4.0
> USB Driver for Windows98
> Acrobat Reader®
> Reference Manual
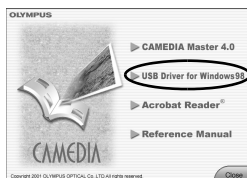
If the installer is not automatically launched, select "Run.." on the "Start" menu and then execute "(drive letter):/ Information.exe".

Note
The drive letter of the CD-ROM varies depending on the computer. To identify the drive letter, double-click "My Computer" on the desktop.

----

3 **Click "Continue". The installation of the USB driver will start.**

4 **Click "OK" to restart your computer and the installation is complete.**

5 **When the computer has restarted, installation is complete. If the Olympus Windows Installer screen appears, click "Close" and remove the CD-ROM from the CD-ROM drive.**

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Connecting the camera to the computer

Users running Windows 98/98SE need to install the USB drive before
connecting the camera to your computer for the first time. (☞ p.9)

1 Insert the marked end of the provided USB cable into the USB port on your computer as shown below.
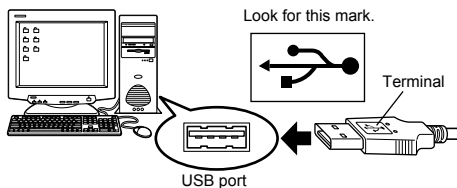
Look for this mark.

Terminal

USB port

Note

The location of the USB port varies depending on the computer. For details,
refer to your computer's manual.

2 After making sure that the camera is turned off, connect the end of the USB cable to the USB connector on the camera.

The location of the USB connector or multi connector varies depending
on the camera model. Refer to the camera manual for details.

Camera with a USB connector

Computer
Rectangular terminal   Smaller terminal
USB port   USB cable
USB connector

Camera with a multi connector

Camera's multi connector (USB, A/V OUT)
Smaller terminal   Computer
Rectangular terminal
USB cable   USB port

----

3 **Turn the camera on.**

● **Camera with a lens barrier**
The power turns on automatically, with the exception of some models which require you to press the ⊚ (monitor) button.
When the camera is turned on, the lamp on the right of the viewfinder lights up.
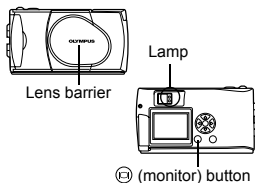
Lens barrier

Lamp

⊚ (monitor) button

● **Camera with a ▣ mode**
Set the mode dial to ▣ . (If the camera has a power switch as well as a mode dial, turn the power switch to ON.)

Mode dial

● **Camera with a ∿ mode (Camera setup/connection mode)**
Set the mode dial to ∿ to turn the camera on.

Mode dial

Power switch

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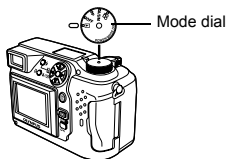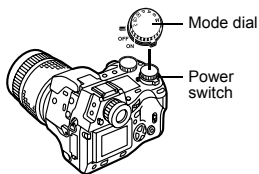
4 **The computer recognizes the camera as a new device.**

When you connect the camera to the computer for the first time, the computer automatically recognizes the camera. Click "OK" when the message saying that the installation is completed appears. The computer recognizes the camera as a "Removable Disk".

● **Windows XP**

You can download image files from the camera easily.
Select "Copy pictures to folder on my computer using Microsoft Scanner and Camera Wizard", then follow the on-screen instructions. You may also select "take no action" to bypass the Microsoft Scanner and Camera Wizard. You may then use a more advanced image viewing/editing program such as Olympus CAMEDIA Master software. For detailed instructions on downloading, refer to the CAMEDIA Master software user's guide.

⚠️ Caution

When the camera is connected to the computer, none of the camera buttons are functional.

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Confirming the computer recognizes the camera

1 Double-click the "My Computer" icon on the desktop.

For users running Windows XP, click "My Computer" from the "Start" menu.
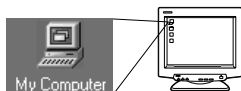
2 Make sure the "Removable Disk" icon appears in the window.

There may already be other "Removable Disk" icons for other devices, such as a removable media drive or USB SmartMedia Reader/ Writer. In this case, the digital camera is recognized as another "Removable Disk".

If you cannot find the icon, the camera and computer are not connected properly. Turn the camera off, disconnect the camera from the computer and connect again, or proceed to "Confirming the USB driver is installed" (☞ p.15) to make sure that the USB driver is fully installed.
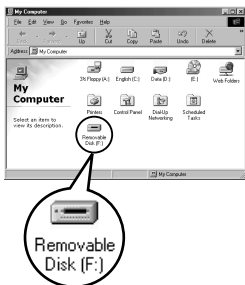
Confirming the USB driver is installed

If the computer does not recognize the camera as a Removable Disk, follow the procedure below to check whether the USB driver has been fully installed.

1 **Open "My Computer" and double-click the "Control Panel" icon.**
For users running Windows XP, open "Control Panel" from the "Start" menu.

2 **Double-click the "System" icon.**
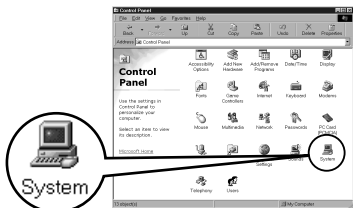
3 **The System window will appear. Click the "Device Manager" tab.**

---

4 **Confirm that "OLYMPUS Digital Camera" is in the "Universal Serial Bus Controller" category.**

If you cannot find the "OLYMPUS Digital Camera", turn the camera off, disconnect the camera from the computer and start again.

Users running Windows 98/98 SE start again from "Confirming the USB driver is installed", and Users running Window Me/2000/XP start from "Connecting the camera to the computer".

Note
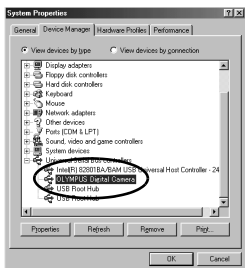
If the USB driver was successfully installed, you can find the following in the "Device Manager".

– the name of the camera you have connected listed under "Disk drives"
– "OLYMPUS Digital Camera" listed as one of the items in the "Universal Serial Bus Controller" category

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Downloading images to your computer

1 **Double-click the "My Computer" icon on the desktop.**

For users running Windows XP, click "Control Panel" from the "Start" menu.
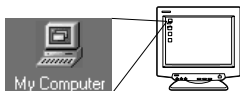
2 **Double-click the "Removable Disk" icon.**

A new "Removable Disk" icon appears when the camera is connected to the computer, as the digital camera is recognized as a "Removable Disk".
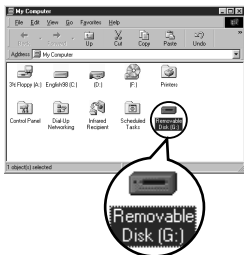
Note

If an error message appears when you double-click the icon, there may be a problem with one of the following:

① the camera's power source (the AC adapter is not properly connected or the battery power is low)

Make sure that the AC adapter is correctly connected or that the batteries are not running low.

② the card (there is no card in the camera or there is a problem with the card)

Check that you can play back pictures stored on the card on the monitor of your digital camera.

3 **Double-click the "Dcim" folder.**

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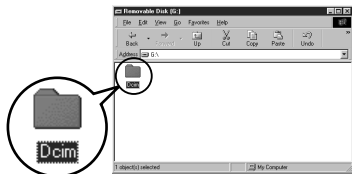
4 **Double-click the "100olymp" folder.**

Image files (JPEG files) with files
names such as "P1010001.jpg" are
displayed.
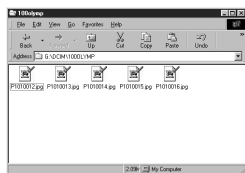
Note
• The camera automatically assigns folder names and file names according
to the following rules.

Folder name	**File name**
(Example)	(Example)
100olymp	**P1010001.jpg**
↓	↓↓ ↓
Serial number	Month / Day / Serial number

• Serial numbers of image files run from 0001 to 9999.
• Serial numbers of folders run from 100 to 999.
• When file number 9999 is reached, a new folder is created and assigned
the next number.
• Months January through September are expressed by the numbers 1
through 9, October by the letter A, November by B and December by C.

5 **Double-click the "My Documents"
icon on the desktop.**

If you cannot find the icon on the
desktop, select "Explorer" on the Start
menu and double-click the "My
Documents" icon.

Windows

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The "My Documents" window is
displayed.

6 **Drag & drop the image
you want to save in the
computer (in this case,
P1010012.jpg) to the
"My Documents"
window.**

The image is saved in the
computer (in My
Documents folder).

P1010012.jpg

• To select all files, choose Edit > Select all.

Note
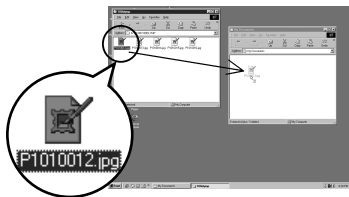
When the image file has been downloaded to the computer, you can view
images by double-clicking the image files downloaded to your computer. The
files will be opened in the default image viewer of the operating system. If you
want to view the image a different size or process it, you will need to open the
image with software that supports JPEG or TIFF images files, such as Paint
Shop Pro, Photoshop or CAMEDIA Master software.

⚠ Caution

The lamp on the right of the viewfinder or the card access lamp blinks while
the image is being copied. Never open the card cover on the camera, load or
remove the batteries, or connect or disconnect the AC adapter while the lamp
is blinking as the image files may be destroyed.

Windows

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Disconnecting the camera from your computer

If your OS is Windows Me/2000, proceed to "Windows Me/2000/XP" (☞ p.21).

● **Windows 98**

1 **Make sure that the lamp on the right of the viewfinder or the card access lamp is not blinking.**
Some camera models have either a lamp on the right of the viewfinder or a card access lamp, and the location varies depending on the model. Refer to your camera's reference manual.
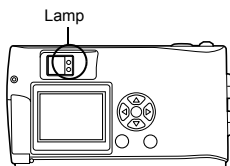
Lamp

2 **Double-click the "My Computer" icon and right-click the "Removable Disk" to display the menu.**

Removable Disk (F:)

3 **Click "Eject" on the menu.**

Remov Disk
- **O**pen
- **E**xplore
- **F**ind...
- Cop**y** Disk...
- S**h**aring...
- For**m**at...
- **Eject**
- Create **S**hortcut
- P**r**operties

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4 **Make sure that the lamp on the right of the viewfinder or the card access lamp is not blinking.**
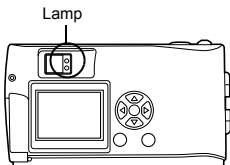
Lamp

5 **Remove the USB cable from the camera.**
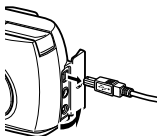
6 **Remove the USB cable from your computer.**
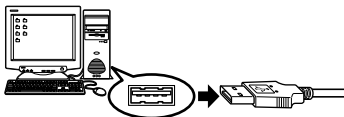
● Windows Me/2000/XP

1 **Make sure that the lamp on the right of the viewfinder or the card access lamp is not blinking.**
Some camera models have either a lamp on the right of the viewfinder or a card access lamp, and the location varies depending on the model. Refer to your camera's reference manual.

Lamp

Windows

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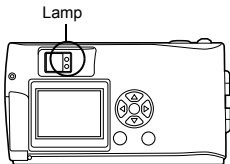
2 **Click the "Unplug or Eject Hardware" icon on the task bar.**

The message saying that the drive has been stopped appears.

3 **Click on the message.**

The "Unplug or Eject Hardware" window appears.

Stop USB Mass Storage Device - Drive(G:)
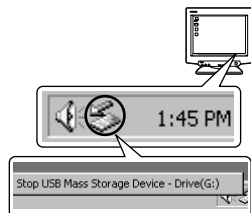
4 **When a message appears, click "OK".**

Safe To Remove Hardware

The 'USB Mass Storage Device' device can now be safely removed from the system.

OK

5 **Remove the USB cable from the camera.**
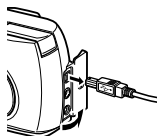
6 **Remove the USB cable from your computer.**
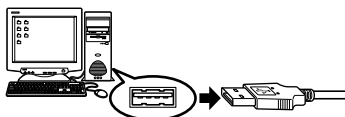
⚠ Caution

If the window returns the following message when you click "Unplug or Eject Hardware", first make sure that no image data is being downloaded from the camera, and then remove the USB cable.

Problem Ejecting USB Mass Storage Device

The device 'Generic volume' cannot be stopped right now. Try stopping the device again later.

OK

Windows

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Macintosh

Using Mac OS (9/X)

Make sure that:

- Your computer is turned on and Mac OS is running.
- If you are running any applications, quit them all.
- You are recommended to power the camera using the optional AC adapter. If the battery power runs out while the computer is accessing the card in the camera, the camera will turn off in the middle of the operation and this could destroy image files (data). If you are using batteries, make sure that there is sufficient remaining battery power.

If you are running Mac OS X, the connection to the computer and downloading the image data are verified. Restrictions such as the following may occur due to the OS.
- The image file properties are not displayed correctly.
- Images in the camera cannot be opened without first downloading them. etc.

For more details, visit the Olympus web site.

Macintosh

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Connecting the camera to the computer

1 **Insert the marked end of the USB cable into the USB port on your computer as shown below.**
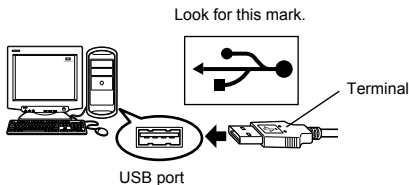
Look for this mark.

Terminal

USB port

Note

The location of the USB port varies depending on the computer. For details, refer to your computer's manual.

2 **After making sure that the camera is turned off, connect the end of the USB cable to the USB connector on the camera.**

The location of the USB connector or multi connector varies depending on the camera model. Refer to the camera manual for details.

Camera with a USB connector

Computer

Rectangular terminal   Smaller terminal

USB port   USB cable

USB connector

Camera with a multi connector

Camera's multi connector (USB, A/V OUT)   Computer

Smaller terminal

Rectangular terminal

USB cable   USB port

Macintosh

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3 **Turn the camera on.**

● **Camera with a lens barrier**
The power turns on automatically, with the exception of some models which require you to press the ⊙ (monitor) button.
When the camera is turned on, the green lamp on the right of the viewfinder lights up.
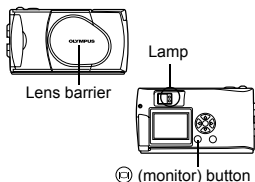
Lens barrier

Lamp

⊙ (monitor) button

● **Camera with a ▶ mode**
Set the mode dial to ▶ . (If the camera has a power switch as well as a mode dial, turn the power switch to ON.)

Mode dial

● **Camera with a ⌁ mode (Camera setup/connection mode)**
Set the mode dial to ⌁ to turn the camera on.

Mode dial

Power switch

Macintosh
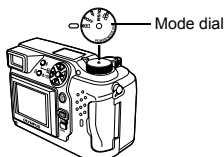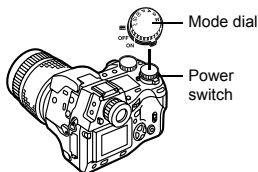
4 **The computer recognizes the camera as a new device.**

The computer recognizes the camera automatically and an "Untitled" icon appears on the desktop.

untitled

If you cannot find this icon, turn off the camera and connect again.
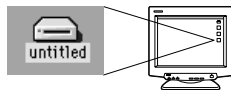
● **Mac OS X**
When the computer has recognized the camera, the Apple Image Capture software automatically launches. ☞ p.29

⚠
Caution

When the camera is connected to the computer, none of the camera buttons are functional.

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● Mac OS 9

You can download images from the camera and save them in your computer (in this case, in the Hard Disk).

1 **Double-click the "Untitled" icon displayed on the desktop when the camera is connected to the computer.**

Note
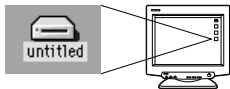
If you cannot find this icon, or if an error message appears when you double-click the icon, there may be a problem with one of the following:

① the camera's power source (the AC adapter is not properly connected or the battery power is low)

② the card (there is no card in the camera or there is a problem with the card)

   Check that you can play back pictures on the monitor of your camera.

③ the USB cable (the camera is not properly connected to the computer by the USB cable).

④ Apple "File Exchange" extension is not enabled.

   • Please refer to your Apple operating system manual for instructions on how to enable this extension.

2 **Double-click the "Dcim" folder.**

3 **Double-click the "100OLYMP" folder.**

Macintosh

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Image files (JPEG files) with files names such as "P1010001.JPG" are displayed.

Note
• The camera automatically assigns folder names and file names according to the following rules.

Folder name	File name
(Example)	(Example)
100OLYMP	**P1010001.jpg**
↓	↓↓↓ ↓
Serial number	Month / Day / Serial number

• Serial numbers of image files run from 0001 to 9999.
• Serial numbers of folders run from 100 to 999.
• When file number 9999 is reached, a new folder is created and assigned the next number.
• Months January through September are expressed by the numbers 1 through 9, October by the letter A, November by B and December by C.

4 **Double-click the "Macintosh HD" icon on the desktop.**

Macintosh

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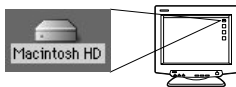
The "Hard Disk" window is displayed.
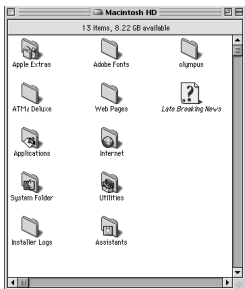
5   **Drag & drop the image you want to save in the computer (in this case, P1010012.JPG) to the "Hard Disk" window.**

The image is saved in the computer (in the Hard disk).

• To select all images, click Edit > Select all.

P1010012.JPG
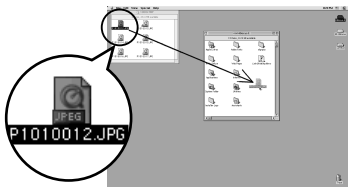
> Note   When the image file has been copied to the computer, you can view images by double-clicking the image files in the "Hard Disk" folder. The files will be opened in the default image viewer of the operating system. If you want to view the image a different size or process it, you will need to open the image with software that supports JPEG or TIFF images files, such as Paint Shop Pro, Photoshop or CAMEDIA Master software.

⚠ Caution   The lamp on the right of the viewfinder or the card access lamp blinks while the image is being copied. Never open the card cover on the camera, load or remove the batteries, or connect or disconnect the AC adapter while the lamp is blinking as the image files may be destroyed.

Macintosh

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● **Mac OS X**

Malfunctions such as the following may occur due to the OS.
• If the camera is not connected correctly, a malfunction occurs in the computer.
• Date and time information of image files is not accurately displayed.
• If the card cover of the camera is opened while connecting to the computer, the "untitled" icon does not disappear from the desktop. etc.

When the computer has recognized the camera, the Apple Image Capture software dialog appears.

1 **From the "Download To" menu, select a destination folder.**

2 **To download all images, click "Download All". To selectively download images, click "Download Some" and highlight the desired images.**

The images are transferred from the camera to your computer.

| Note | If you are operating Mac OS X and you want to download images using the same procedure as for Mac OS 9, select "File > Close" and exit the Apple Image Capture software. At this time, the camera is indicated as "unlabeled". |

| ⚠ Caution | If you use the Apple Image Capture software, images downloaded to your computer and transferred back to a card may not play back on the camera or may have other problems. |

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Disconnecting the camera from your computer

1 **Make sure that the lamp on the right of the viewfinder or the card access lamp is not blinking.**
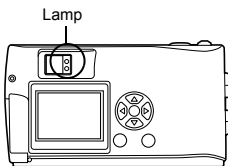
Lamp

2 **Drag the "untitled" icon on the desktop to "Trash".**

untitled → Trash

3 **Make sure that the lamp on the right of the viewfinder or the card access lamp is not blinking.**

Lamp
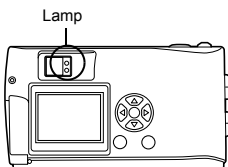
4 **Remove the USB cable from the camera.**

5 **Remove the USB cable from your computer.**

Macintosh

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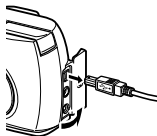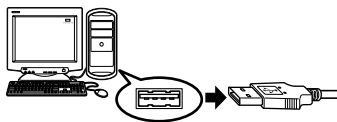
Downloading image files using other OS
(For other OS users)

Users running other OS cannot connect the camera directly to a computer.

● **Windows 95**   ● **Windows NT**   ● **Mac OS before OS 9**

You can download images directly to your computer using an optional floppy disk adapter or PC card adapter.

Does your computer have a USB interface?
Is there a port marked 🔁 on your computer?

No

Yes

Yes → Connect the camera directly to your computer using the provided USB cable.

Is your OS one of the following?
• Windows 98
• Windows 2000
• Windows Me
• Windows XP
• Mac OS 9/X

No

→ Use the optional USB SmartMedia reader/writer.

*Certain card readers may not be compatible with Mac OS X. Check the Olympus website for the most up-to-date compatibility information.

Does your computer have a built-in PC card slot?

No

Yes → Use the optional PC card adapter.

*Not supported by Windows NT4.0 or lower

Does your computer have a built-in floppy disk drive?

No

Yes → Use the optional FlashPath floppy disk adapter.

Consult your nearest Olympus representative.

OLYMPUS

http://www.olympus.com/

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Olympus software updates can be obtained at: http://olympus.com/digital/

Adobe [Photoshop] Support
Adobe software updates and technical information can be obtained at:
http://www.adobe.com/support/

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VT365602